COVER L9
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Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Congratulations on your **purchase,** and welcome to the **"family!"**

PHILIPS

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome–and thanks for investing in a PHILIPS product.

Sincerely,

Robert Minkhorst
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these **safety** *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

⚠ This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

⚠ The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

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SAFETY INSTRUCTIONS - Read before operating equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. **Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and use instructions should be followed.
5. **Water and Moisture** - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, etc.
6. **Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

6B. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
- Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
- Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.

7. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. **Heat** - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources** - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Power-Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
12. **Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
13. **Power Lines** - An outdoor antenna should be located away from power lines.
14. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

    Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Fig. below.
15. **Non-use Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
16. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
17. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
    - A. The power supply cord or the plug has been damaged; or
    - B. Qbjects have fallen, or liquid has been spilled into the appliance; or
    - C. The appliance has been exposed to rain; or
    - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    - E. The appliance has been dropped, or the enclosure damaged.
18. **Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code

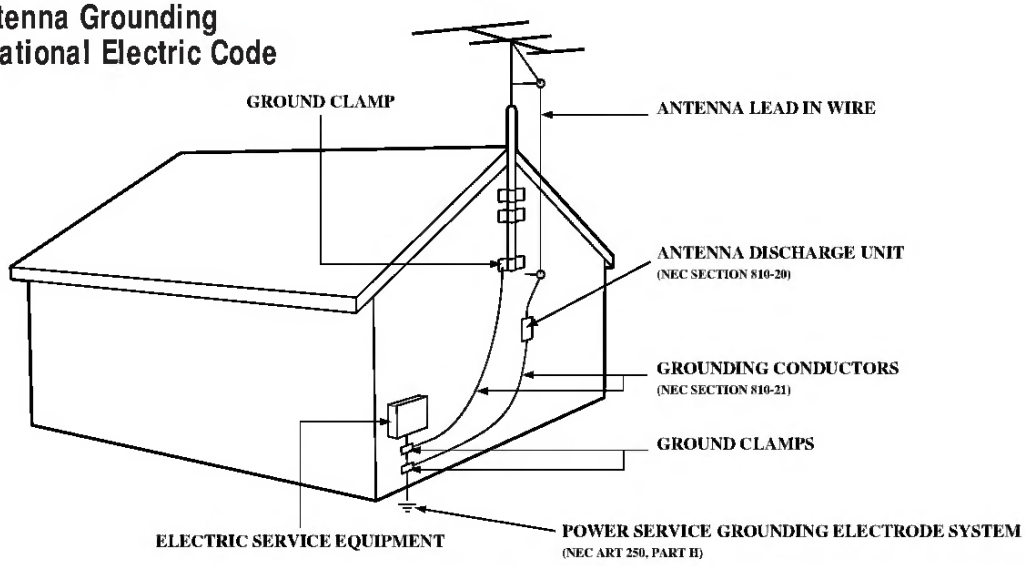

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TABLE OF CONTENTS

Introduction

Welcome/Registration of Your TV 2
Safety/Precautions 3
Table of Contents.....4
Features.....4

Onscreen MENU

✧ Adjusting the TV Picture.....5
✧ Activating Contrast Plus (Black Stretch) 6
✧ Activating Noise Reduction (Picture) Control ..7
✧ Setting the TV's Clock 8
✧ Activating the Timer Control 9
✧ Activating the Start-Up Channel 10
✧ Setting the TV's Start Time Control.....11
✧ Setting the TV for Closed Caption 12
✧ Using the Sleeptimer Control 13

AutoLock™

✧ Understanding the AutoLock Feature.....14
✧ Setting the AutoLock Access Code.....15
✧ Setting the AutoLock to Block Channels 16
✧ Setting AutoLock's Blocking Options.....17
✧ Blocking Using the Movie/TV Ratings 18-19
✧ Using the AutoLock Review Screen 20

Sound

✧ Setting the Treble, Bass and Balance Controls.....21
✧ Setting the TV for Stereo and SAP Programs .22
✧ Setting the TV for Incredible Surround.....23
✧ Using the Volume Bar Control 24
✧ Using the Input control with the Audio/Video Input Jacks 25
✧ Using the Audio Video Output Jacks.....26

Remote Control Operation

Using the AutoPicture™ Control 27
Using the AutoSound™ (AVL) Control 28
Using AutoSurf™ (Alternate Channel) 29
Setting the Remote Control to Operate Accessory Devices (Code Entry) 30-31
Setting the Remote Control to operate Accessory Devices (Search Method) 32
Remote Control Direct Entry Code List 33-34
Using the Remote's VCR Buttons.....35

General Information

Tips if Something Isn't Working 36
Glossary of TV Terms.....37
Index 37
Factory Service Locations.....38-39
Warranty.....40

Here are a few of the special features built into this new Color Television:

AutoLock™ feature allows you to block the viewing of certain channel or external audio/video connections where you might not want your children viewing inappropriate material.

Infrared Remote Control works your TV set, VCR, and a variety of wireless remote control Cable Converters (Satellite Receivers, DVD, etc.).

Standard broadcast (VHF/UHF) or Cable TV (CATV) channel capability.

Stereo TV with built-in audio amplifier and twin speaker system for receiving TV programs broadcast in stereo sound. This TV can actually detect if the signal being received is Stereo and adjust for it.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as Onscreen text.

Automatic Programming of Channels for quick and easy selection of favorite stations available in your area.

Onscreen Features (in either English, French, or Spanish) show helpful messages for setting of TV controls.

Audio/Video Jackpanel for direct connections with VCRs (or other video accessories) providing quality TV picture and sound playback.

On Timer automatically turns the TV ON at a preset time, and channel.

Sleeptimer automatically turns the TV OFF at preset times.

AutoPicture™ allows you to set the picture color, tint, contrast, etc. for various types of programming such as Personal (picture controls the way you set them), Sports, Movies, or Weak Signals with the push of one button.

AutoSound™ controls allow you to set the sound controls for various types of listening programs such as Personal (sound controls the way you set them), Theater, Music, or Voice with the push of one button.

NOTE: This owner's manual is used with several different television models. Not all features (and drawings) discussed in this manual will necessarily match those found with your television system. This is normal and does not require you contacting your dealer or requesting service.

AutoPicture™, AutoSound™, AutoSurf™, and SmartLock™ are all registered trademarks of Philips Consumer Electronics Company.

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How to Adjust the TV Picture

To adjust your TV picture controls, select a channel and follow the steps shown below:

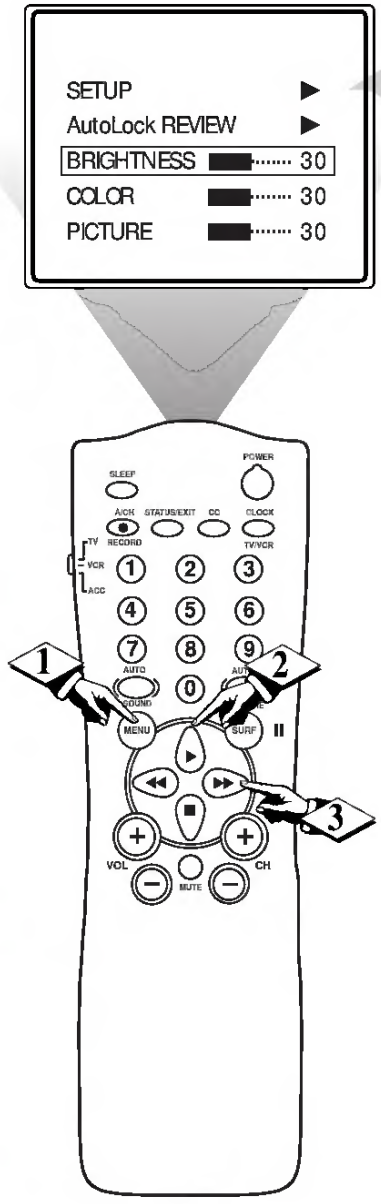
BEGIN

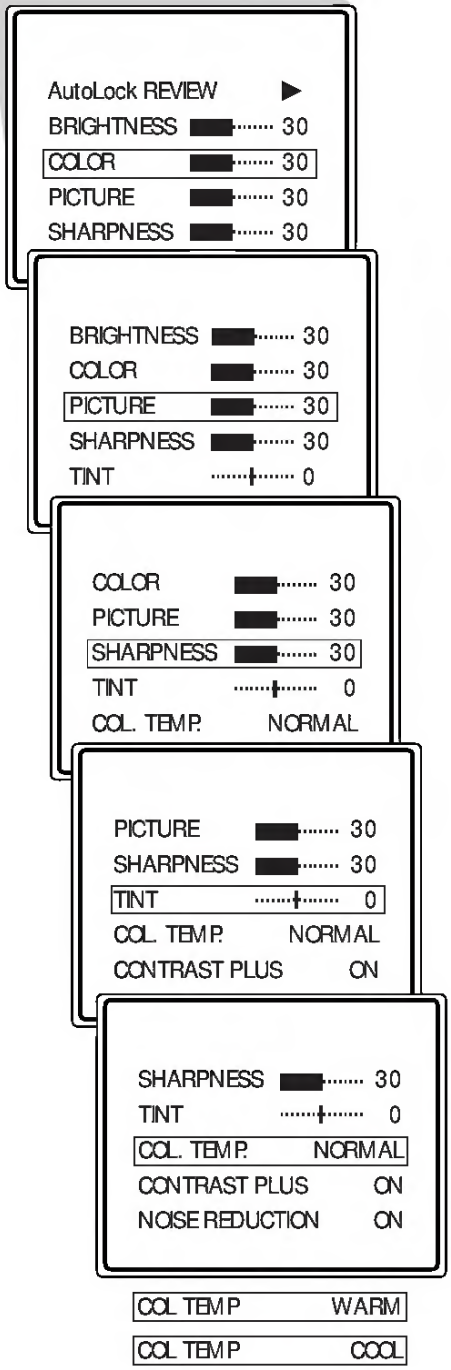
1. **Press the MENU button** on the remote to display the onscreen menu.

2. **Press the CURSOR UP ▶ or DOWN ■ buttons** until the word **BRIGHTNESS** is highlighted. (Or, COLOR, PICTURE, SHARPNESS, TINT, COL. TEMP depending on the adjustment you want to make.)

3. **Press the CURSOR RIGHT ▶▶ or the CURSOR LEFT ◀◀ buttons** to increase or decrease the brightness of the picture.

STOP





Smart Help

BRIGHTNESS **Press the ▶▶ or ◀◀ buttons** until darkest parts of the picture are as bright as you prefer.

COLOR **Press the ▶▶ or ◀◀ buttons** to add or eliminate color.

PICTURE **Press the ▶▶ or ◀◀ buttons** until lightest parts of the picture show good detail.

SHARPNESS **Press the ▶▶ or ◀◀ buttons** to improve detail in the picture.

TINT **Press the ▶▶ or ◀◀ buttons** to obtain natural skin tones.

COLOR TEMP **Press the ▶▶ or ◀◀ buttons** to select NORMAL, COOL, or WARM picture preferences. (NORMAL will keep the whites, white; COOL will make the whites, bluish; and WARM will make the whites, reddish.)

The onscreen menu will time out and disappear from the screen when you finish, or you can press the STATUS/EXIT button to clear the menu from the screen.

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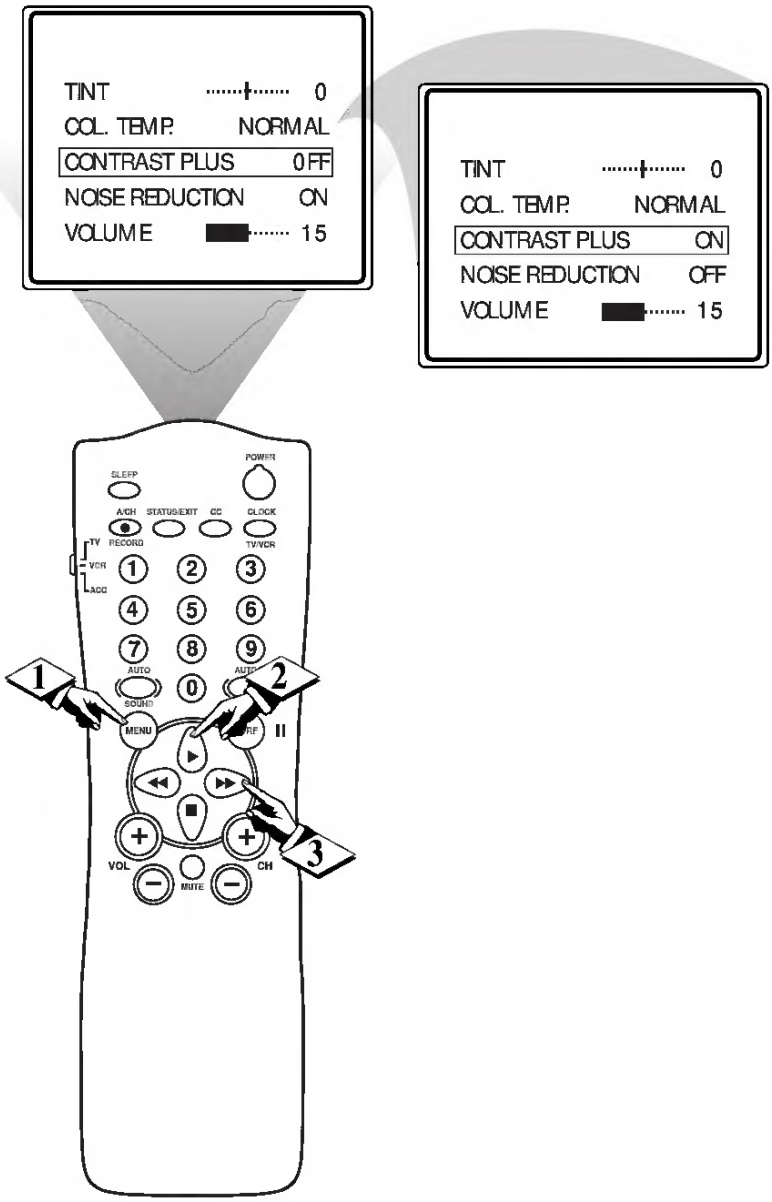
ACTIVATING THE CONTRAST PLUS (BLACK STRETCH) CONTROL

The Contrast Plus (Black Stretch) feature helps to "sharpen" the picture quality. The black portions of the picture become richer in darkness and the whites become brighter.

BEGIN

1. **Press the MENU button** on the remote to display the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the words **CONTRAST PLUS** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to activate or deactivate the **Contrast Plus** (Black Stretch) feature.

STOP



SMART HELP

Remember: The onscreen menu will disappear in a few seconds after you have finished your adjustment.

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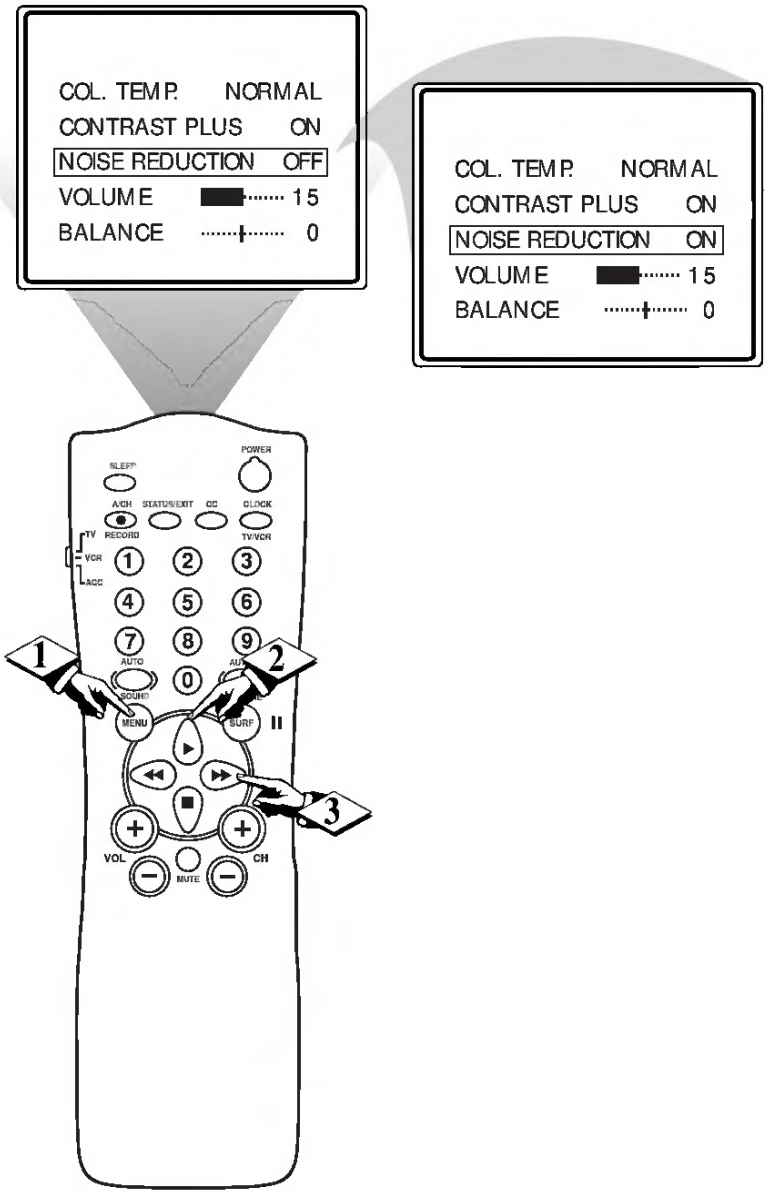
ACTIVATING THE NOISE REDUCTION (PICTURE) CONTROL

For reasons such as poor cable reception, the picture can sometimes appear slightly "speckled" (or signal noise shown in the picture). The NOISE REDUCTION control can help eliminate this type of interference and improve the quality of the picture.

BEGIN

1. **Press the MENU button** on the remote to display the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the words **NOISE REDUCTION** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to activate or deactivate the Noise Reduction Feature.

STOP



SMART HELP

Remember: The onscreen menu will disappear in a few seconds after you have finished your adjustment.

"Noise" Reduction is a video adjustment feature that affects the picture quality of the TV not the sound.

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SETTING THE TV'S CLOCK

Your television comes with an onscreen clock. During normal operation the clock appears on the screen when the STATUS/EXIT button is pressed or when a channel change occurs.

BEGIN

1. **Press the CLOCK button** on the remote to display the onscreen CLOCK menu.

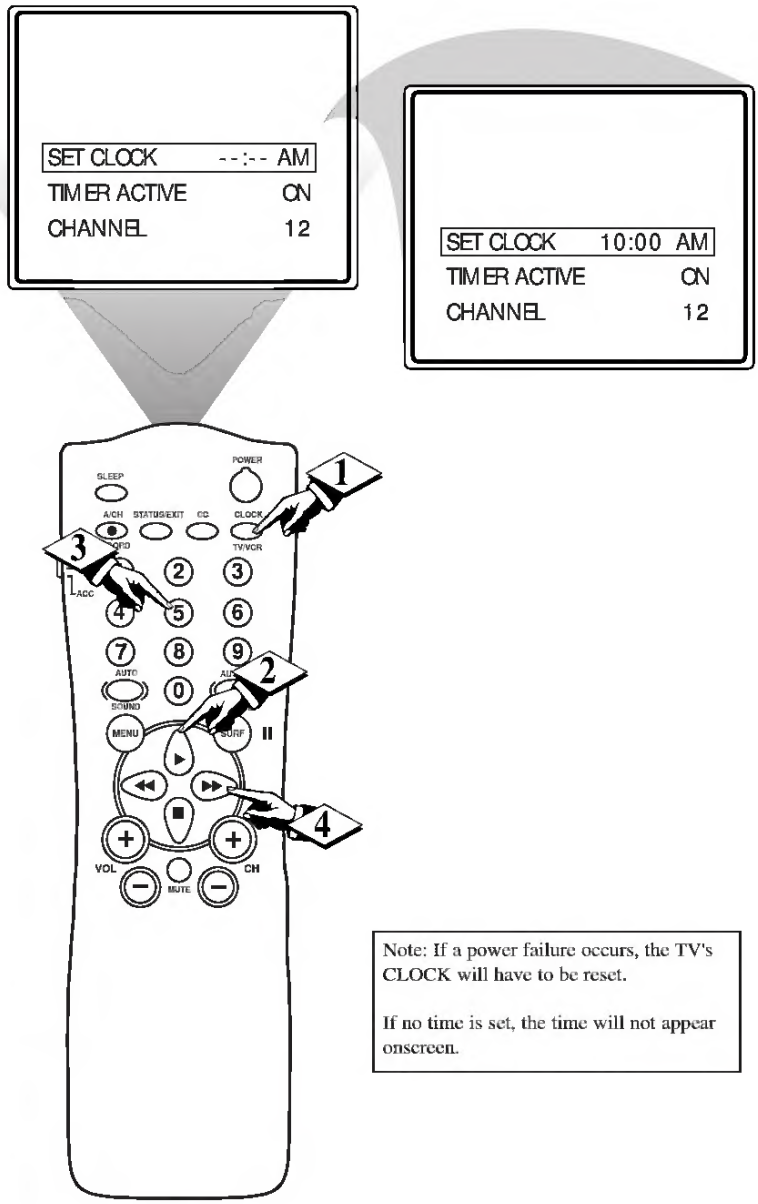
2. **Press the CURSOR UP ▶ OR CURSOR DOWN ■ buttons** until the words **SET CLOCK** are highlighted.

3. **Enter the current time using the NUMBERED buttons.** If the first number is a single digit first enter a zero then the digit (i.e., press "0", then press "8").

4. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to set either **AM** or **PM** time.

Note: The **CLOCK** onscreen menu can also be accessed through the main menu by **pressing the MENU button; then scrolling up/down with the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the word **CLOCK** is highlighted. **Press the CURSOR RIGHT ▶▶ button** to activate the CLOCK menu and follow the steps above to set the time.

STOP



Note: If a power failure occurs, the TV's CLOCK will have to be reset.

If no time is set, the time will not appear onscreen.

SMART HELP

Remember: Be sure to press "0" first and then the hour number for single digit entries.

To clear the onscreen menu press the STATUS/EXIT button, or wait a few seconds after you have finished your adjustment and the menu will automatically disappear from the screen.

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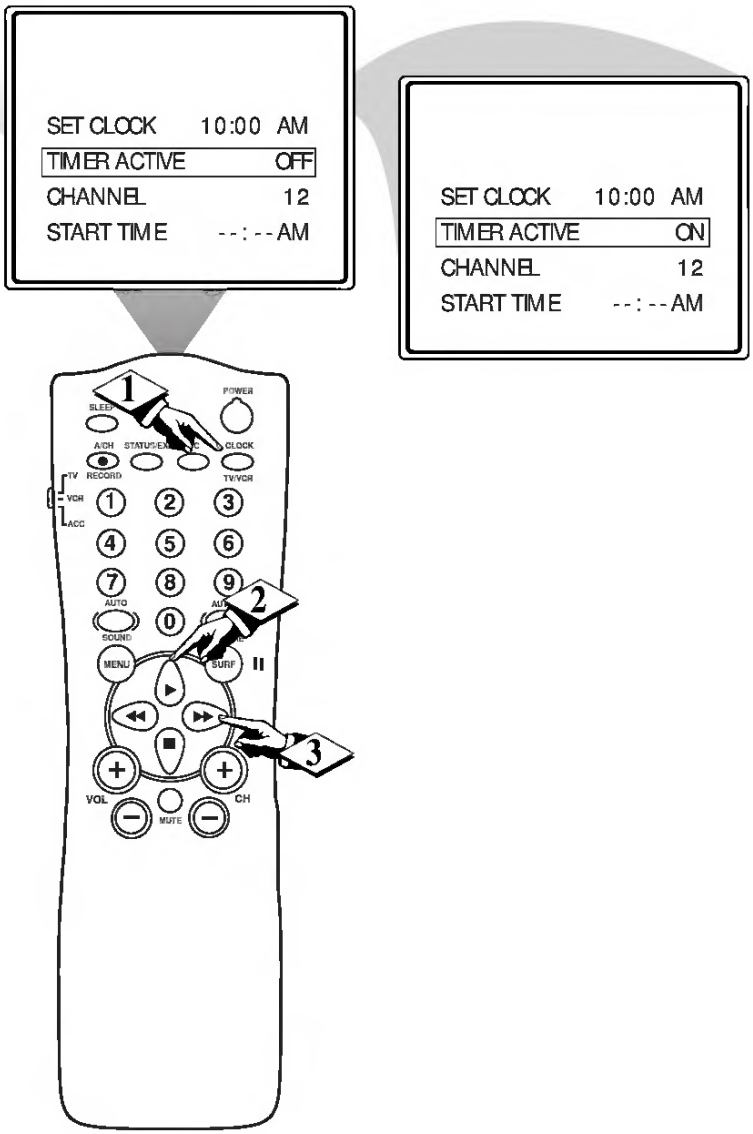
ACTIVATING THE TV'S ON TIMER CONTROL

Just like an alarm clock you can set the TV to turn itself on at the same time everyday.

BEGIN

1. **Press the CLOCK button** to display the Clock onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the words **TIMER ACTIVE** are highlighted..
3. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ button** to select **ON** (if activating) or **OFF** (if deactivating) the Timer control.

STOP



SMART HELP

Remember: Be sure to set the clock to the current time, then set the time you want the television to turn on using the START TIME control as described on the next page.

The onscreen menu will time out and disappear from the screen when you finish, or you can press the STATUS/EXIT button to clear the menu from the screen.

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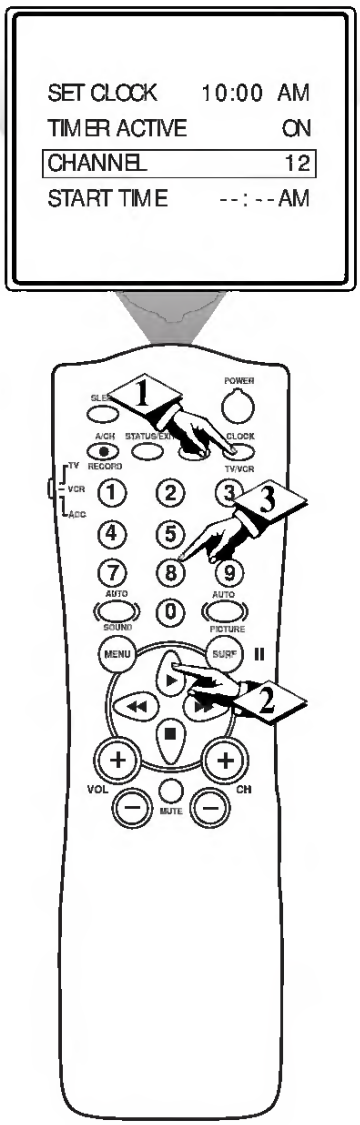
ACTIVATING THE START UP CHANNEL

Used along with the Clock features, you can select a specific channel that the television will tune to when the Timer Active control is turned ON.

BEGIN

1. **Press the CLOCK button** to display the Clock onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **CHANNEL** is highlighted.
3. **Press the number buttons** to enter the start up channel you would like the television to start on.

STOP



SMART HELP

Remember: Be sure to set the Timer Active control to ON.

The onscreen menu will time out and disappear from the screen when you finish, or you can press the STATUS/EXIT button to clear the menu from the screen.

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SETTING THE TV'S START UP TIME

Used along with the Clock feature, you can select a specific time the television will turn on when the Timer Active control is turned ON.

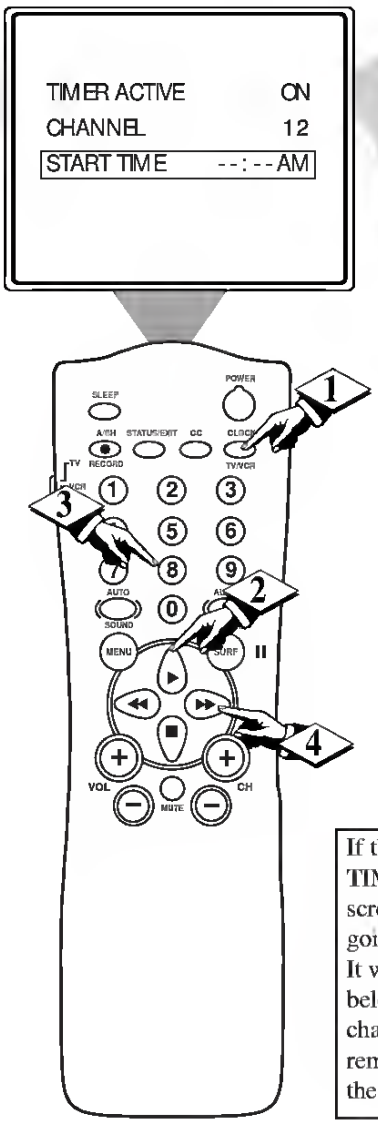
BEGIN

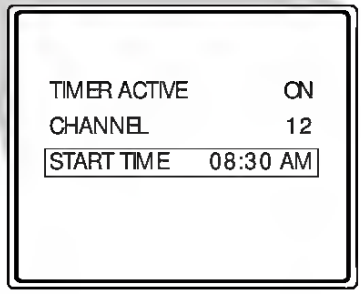
1. **Press the CLOCK button** to display the Clock onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the words **START TIME** are highlighted.
3. **Enter the time to turn on the TV using the NUMBERED buttons.** If the first number is a single digit first enter a zero then the digit (i.e., press "0", then press "8").
4. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to set either **AM** or **PM** time.

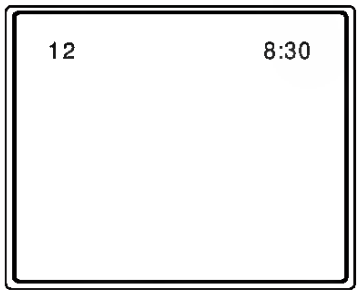
STOP

SMART HELP

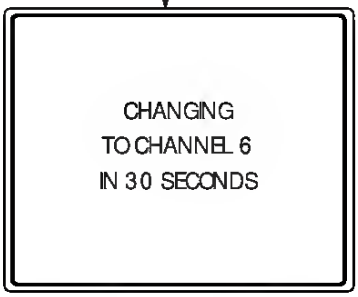
Remember: Be sure to set the Timer Active to ON.







If the TV is in use when the START TIME control is about to be activated, the screen will display a warning stating it's going to change channels in 30 seconds. It will appear like the screen shown below and change to the selected start up channel. Pressing any button on the remote within this count down will cancel the change.



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USING THE CLOSED CAPTION CONTROL

Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.

BEGIN

1. **Press the MENU button** on the remote to display the onscreen menu.

2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **CC** (Closed Caption) is highlighted.

3. **Press the CURSOR RIGHT ▶▶ button** to select the CLOSED CAPTION option you want (**OFF, 1, 2, or MUTE**). Dialogue (and descriptions) for the action on the captioned TV program will appear onscreen.

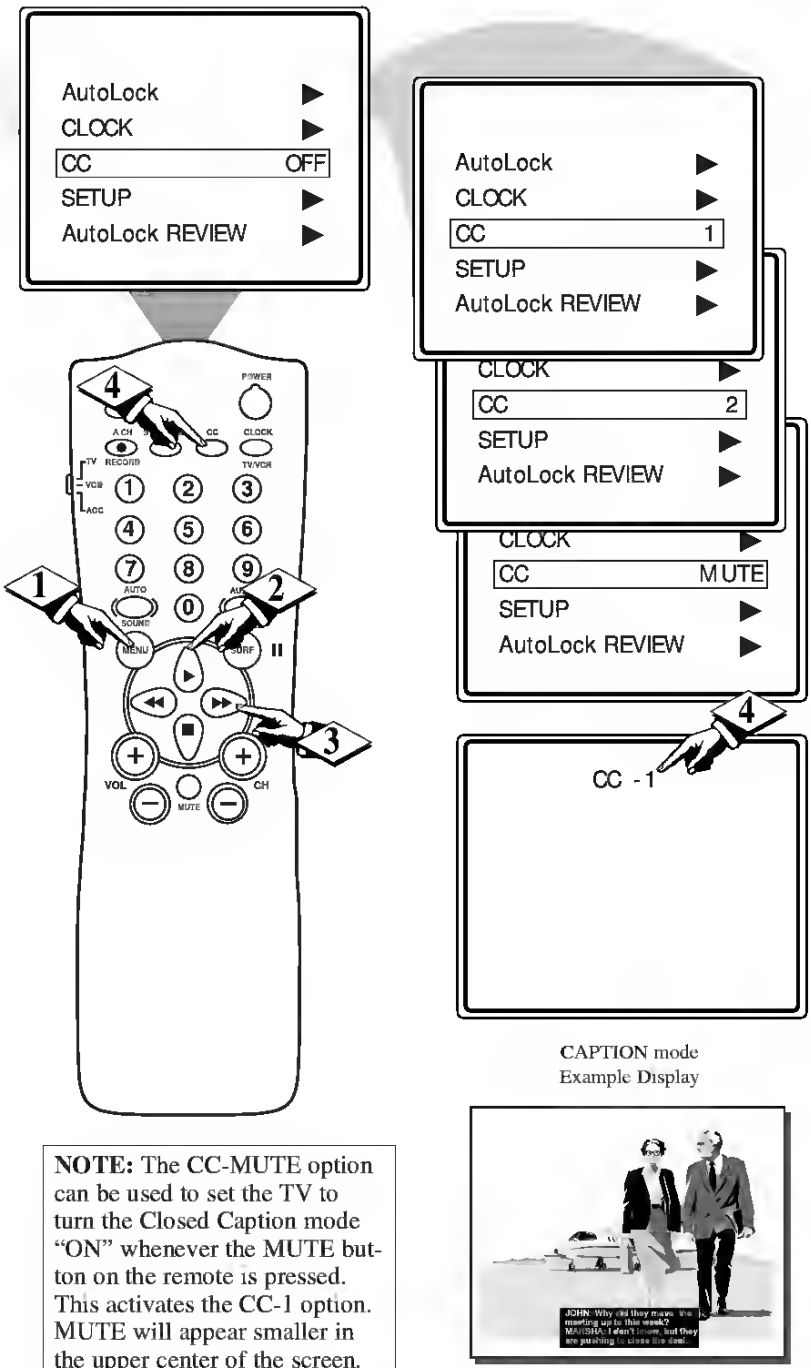
4. **NOTE:** You can also set the Closed Caption by **pressing the CC button** on the remote. When pressed repeatedly the screen will display the options: **CC-OFF, CC-1, CC-2, or CC-MUTE.**

STOP

SMART HELP

Remember: The onscreen menu will time out and disappear from the screen when you finish, or you can press the STATUS/EXIT button to clear the menu from the screen.

NOTE: Not all TV programs and product commercials are made for broadcast with Closed Caption (CC) information included. Neither are all Closed Caption modes (CC-1, or CC-2) necessarily being used by a broadcast station during the transmission of a closed caption program. Refer to your area's TV program listings for the stations and times of Closed Caption shows.



NOTE: The CC-MUTE option can be used to set the TV to turn the Closed Caption mode "ON" whenever the MUTE button on the remote is pressed. This activates the CC-1 option. MUTE will appear smaller in the upper center of the screen.

CAPTION mode
Example Display

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USING THE SLEEP TIMER CONTROL

Have you ever fallen asleep in front of the TV only to have it wake you up at two in the morning with a test pattern screeching in your ears? Well, your TV can save you all that trouble by automatically turning itself off.

BEGIN

1. **Press the SLEEP button** on the remote control and the SLEEP timer will appear on the screen.

2. **Press the SLEEP button** repeatedly to pick the amount of time (in 15 minute increments up to 60 minutes; then 30 minute increments up to 120; then 60 minute increments up to 240) before the TV will turn itself off.

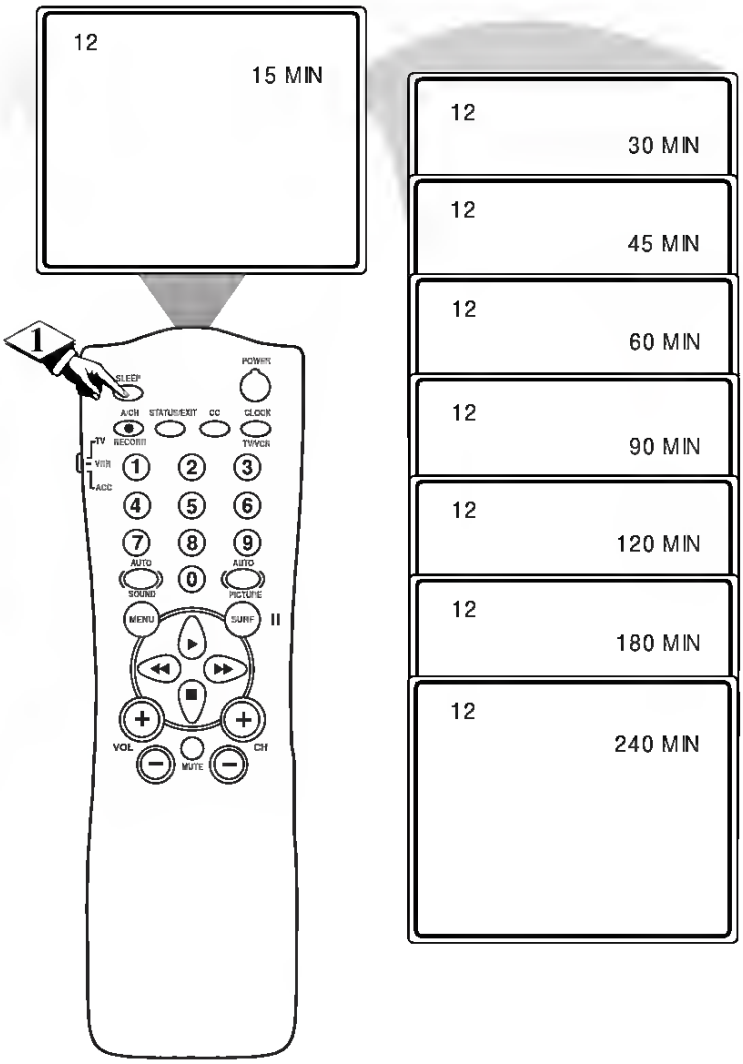
An onscreen count down will appear during the last minute before the TV shuts itself off.

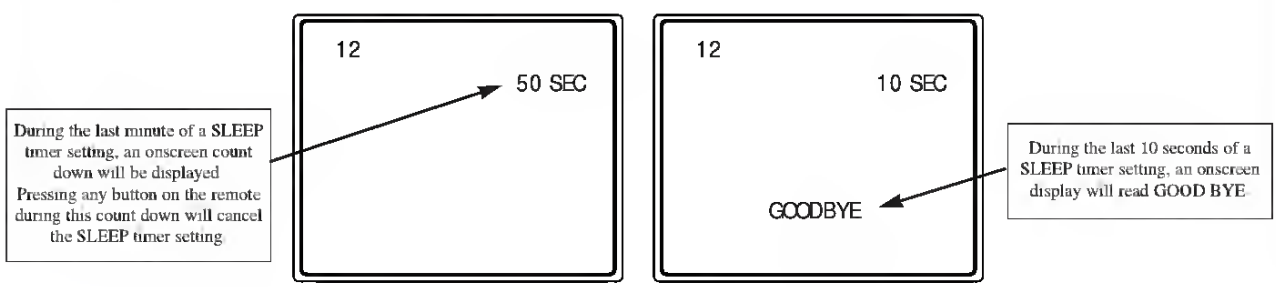
STOP

SMART HELP

Remember: The SLEEP-TIMER control can also be set within the TV's main menu

The onscreen menu will time out and disappear from the screen when you finish, or you can press the STATUS/EXIT button to clear the menu from the screen.




During the last minute of a SLEEP timer setting, an onscreen count down will be displayed
Pressing any button on the remote during this count down will cancel the SLEEP timer setting
12
50 SEC
12
10 SEC
GOODBYE
During the last 10 seconds of a SLEEP timer setting, an onscreen display will read GOOD BYE

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UNDERSTANDING THE AUTOLOCK™ CONTROL

The AutoLock feature is an integrated circuit that receives and processes data sent by broadcasters, or other program providers, that contain program content advisories. When programmed by the viewer, a TV with AutoLock can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of viewing children may watch.

***Over the next few pages you'll learn how to block channels** and certain rated programming. Below is a brief explanation of some terms and ratings you will find in the AutoLock feature.*

AutoLock offers various BLOCKING OPTION controls from which to choose:

MASTER DISABLE: This is what might be called the "master switch" for AutoLock. When in the ON position, ALL blocking/censoring is turned off (or disabled). When in the OFF position, ALL blocking based on specifically blocked settings will take place.

BLOCK UNRATED: ALL unrated programs based on the Movie Ratings or Parental (TV) Guidelines can be blocked if this feature is set to ON and the MASTER DISABLE feature is set to OFF.

BLOCK NO RATINGS: ALL programming with NO content advisory data can be blocked if this feature is set to ON and the MASTER DISABLE feature is set to OFF.

After an access code has been programmed, you can block up to 5 individual channels. But more than just blocking channels, certain blocking options exist which will block programming based on ratings patterned by the Motion Pictures Association of America and TV broadcasters. (See description of ratings on this page.)

G	OFF
PG	OFF
PG-13	OFF
R	ON
NC-17	ON
X	ON

TV-Y	OFF
TV-Y7	▶
TV-G	OFF
TV-PG	▶
TV-14	▶
TV-MA	▶

MOVIE RATINGS
(MOTION PICTURE ASSOCIATION OF AMERICA)

G: General Audience - All ages admitted. Most parents would find this program suitable for all ages This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or situations.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children) It may contain one or more of the following Moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialogue

PG-13: Parents Strongly Cautioned - This programming contains material that parents may find unsuitable for children under the age of 13 It contains one or more of the following violence, sexual situations, coarse language, or suggestive dialogue.

R: Restricted -This is programming is specifically designed for adults. Anyone under the age of 17 should only view this programming with an accompanying parent or adult guardian. It contains one or more of the following: intense violence, intense sexual situations, strong coarse language, or intensely suggestive dialogue.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only. It contains graphic violence, explicit sex, or crude indecent language.

X: Adults Only - This type of programming contains one or more of the following very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV PARENTAL GUIDELINES
(TV BROADCASTERS)

TV Y ***TV-Y*** - (**All children** -- *This program is designed to be appropriate for all children.*) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV Y7 ***TV-Y7*** - (**Directed to Older Children** -- *This program is designed for children age 7 and above.*) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality This programming may include mild fantasy and comic violence (FV).

TV G ***TV-G*** - (**General Audience** -- *Most parents would find this program suitable for all ages.*) This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or situations.

TV PG ***TV-PG*** - (**Parental Guidance Suggested** -- *This program contains material that parents may find unsuitable for younger children.*) This type of programming contains one or more of the following Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV 14 ***TV-14*** - (**Parents Strongly Cautioned** -- *This program contains some material that many parents would find unsuitable for children under 14 years of age.*) This type of programming contains one or more of the following intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV MA ***TV-MA*** - (**Mature Audience Only** -- *This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.*) This type of programming contains one or more of the following: graphic violence (V), explicit sexual situations (S), or crude indecent language (L).

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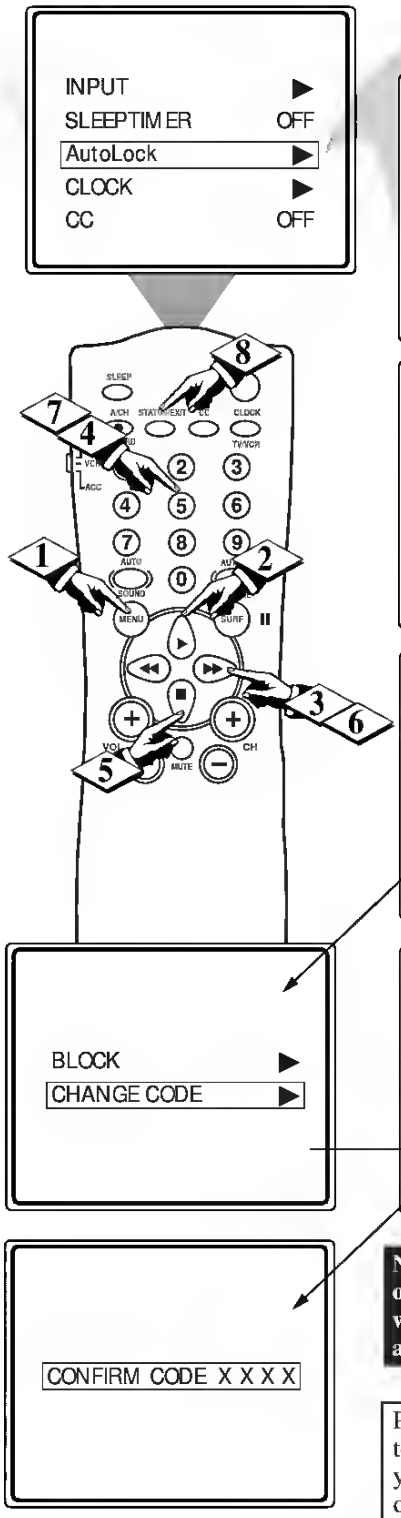
UNDERSTANDING THE AUTOLOCK™ CONTROL (ACCESS CODE)

Over the next few pages you'll learn how to block channels and get a better understanding of the rating terms for certain programming.
First, let's start by learning how to set a personal access code:

BEGIN

1. **Press the MENU button** on the remote to display the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the words **AutoLock** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the AutoLock Access Code screen.
4. **Using the NUMBERED buttons, enter 0, 7, 1, 1. "XXXX"** appears on the Access Code screen as you press the numbered buttons.
   "INCORRECT CODE" will appear on the screen, and **you will need to enter 0, 7, 1, 1 again.**
5. **Press the CURSOR DOWN ■ button** until the words **CHANGE CODE** are highlighted.
6. **Press the CURSOR RIGHT ▶▶ button** to change your personal Access Code.
7. **"Next enter a "new" 4 digit code using the NUMBERED buttons.** The screen will then ask you to confirm the code you just entered. **Enter your new code again. "XXXX"** will appear when you enter your new code.
8. **Press the STATUS/EXIT button** after the new code has been entered to set the code in the TV's memory.

STOP



NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.

Parents - it isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code changes, and you didn't change it, then you know it's been altered by someone else and blocked channels have been viewed.

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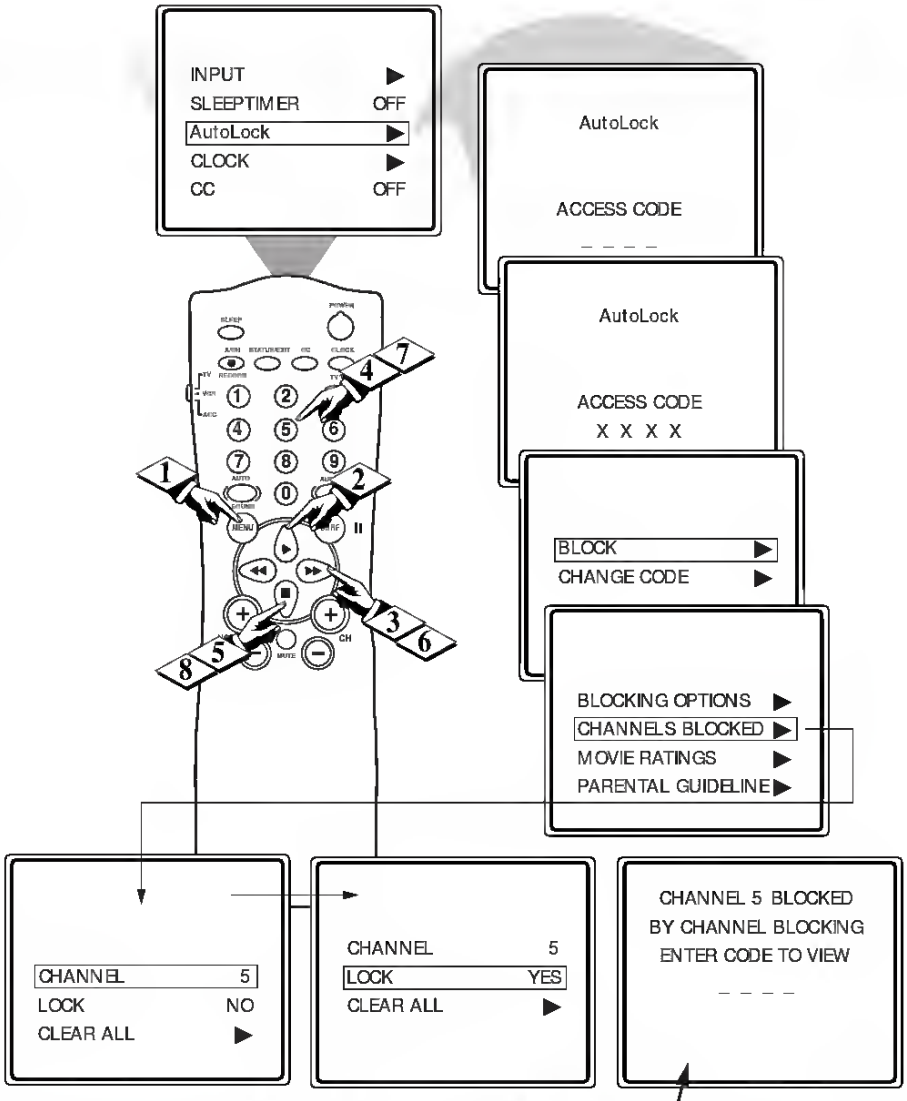
UNDERSTANDING THE AUTOLOCK™ CONTROL (BLOCK CHANNEL)

After your personal access code has been set (see previous page), you are now ready to select the channels you want to block out or censor.

BEGIN

1. **Press the MENU button** on the remote to show the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the words **AutoLock** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the AutoLock Access screen.
4. **Enter the correct access code number. "XXXX"** shows on the Access Code display as you **press the NUMBERED buttons.**
5. **Press the CURSOR UP ▶ or DOWN ■ buttons** until the word **BLOCK** is highlighted. **Press the CURSOR RIGHT ▶▶ button** then highlight **CHANNELS BLOCKED.**
6. **Press the CURSOR RIGHT ▶▶ button.** Three options will be displayed; **CHANNEL, LOCK or CLEAR ALL.**
7. **With CHANNEL highlighted, use the NUMBERED buttons** to enter the channel number you wish to block.
8. **Use the CURSOR DOWN ■ button** to highlight the word **LOCK, then press the CURSOR RIGHT ▶▶ button** to select **YES** (block) or **NO** (do not block). The channel chosen is now blocked from viewing.

Repeat steps 7 and 8 for any other channels you wish to block from viewing.



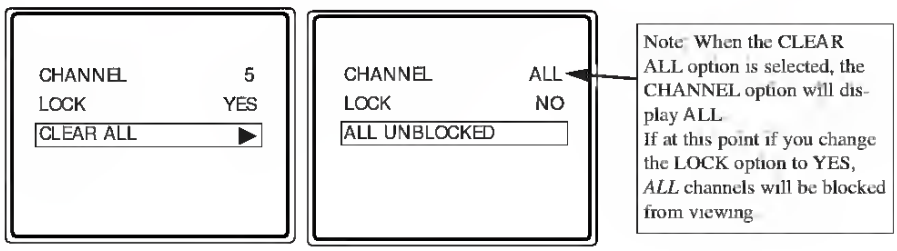
When a blocked channel is viewed, this is what the screen will display. To view the blocked channel, simply enter the current access code. Note: Once the access code is entered ALL blocked channels will be viewable until the TV is powered off. Once the set is turned off and then back on the previously blocked channels will again be blocked.

To clear blocked channels follow the steps below:

Press the CURSOR DOWN ■ button until the words **CLEAR ALL** are highlighted, **then press the CURSOR RIGHT ▶▶ button.**

The screen will read **"ALL UNBLOCKED"** for a moment. At this point **ALL** the previously blocked channels will be unblocked.

STOP



Note: When the CLEAR ALL option is selected, the CHANNEL option will display ALL.
If at this point if you change the LOCK option to YES, *ALL* channels will be blocked from viewing.

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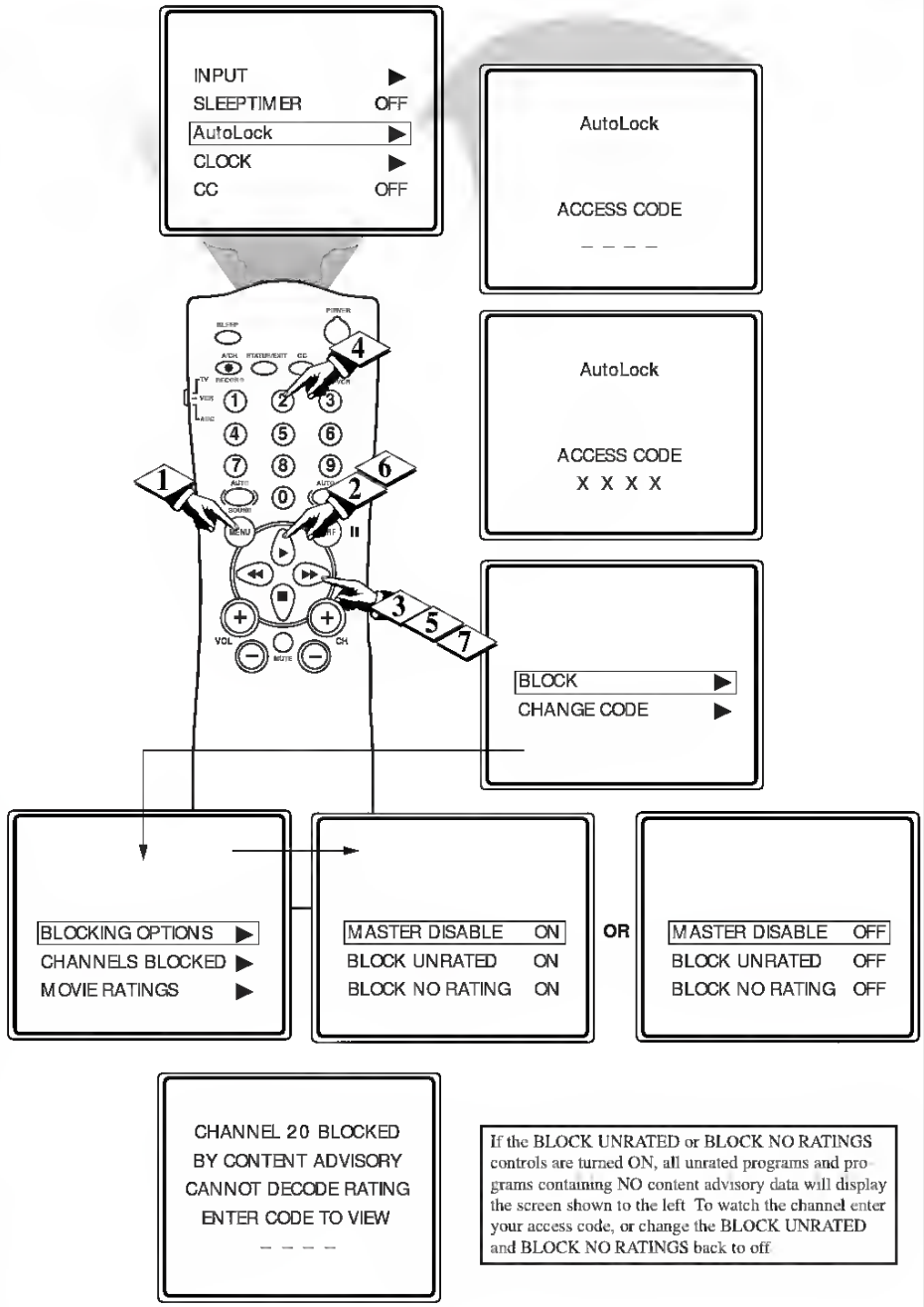
UNDERSTANDING THE AUTOLOCK™ CONTROL (BLOCKING OPTIONS)

AutoLock offers the viewer other blocking features as well. With these Blocking Option features, the censoring can be turned ON or OFF.

BEGIN

1. **Press the MENU button** on the remote to display the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the words **SMART LOCK** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the AutoLock Access Code screen.
4. **Using the NUMBERED buttons** on the remote, enter your personal Access Code.
5. With the word **BLOCK** highlighted, **Press the CURSOR RIGHT ▶▶ button.**
6. **Scroll the menu using the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the words **BLOCKING OPTIONS** are highlighted.
7. **Press the CURSOR RIGHT ▶▶ button** to display the **Blocking Options (MASTER DISABLE, BLOCK UNRATED, or BLOCK NO RATING).** When highlighted, each feature can be turned **ON** or **OFF using the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** on the remote.

STOP


INPUT ▶
SLEEPTIMER OFF
AutoLock ▶
CLOCK ▶
CC OFF
AutoLock
ACCESS CODE
– – – –
AutoLock
ACCESS CODE
X X X X
BLOCK ▶
CHANGE CODE ▶
BLOCKING OPTIONS ▶
CHANNELS BLOCKED ▶
MOVIE RATINGS ▶
MASTER DISABLE ON
BLOCK UNRATED ON
BLOCK NO RATING ON
OR
MASTER DISABLE OFF
BLOCK UNRATED OFF
BLOCK NO RATING OFF
CHANNEL 20 BLOCKED
BY CONTENT ADVISORY
CANNOT DECODE RATING
ENTER CODE TO VIEW
– – – –
If the BLOCK UNRATED or BLOCK NO RATINGS controls are turned ON, all unrated programs and programs containing NO content advisory data will display the screen shown to the left. To watch the channel enter your access code, or change the BLOCK UNRATED and BLOCK NO RATINGS back to off.

BLOCKING OPTIONS:

MASTER DISABLE: This is what might be called the "master switch" for AutoLock. When in the ON position, ALL blocking/censoring is turned off (or disabled). When in the OFF position, ALL blocking based on specifically blocked settings will take place.

BLOCK UNRATED: ALL unrated programs based on the Movie Ratings or Parental (TV) Guidelines can be blocked if this feature is set to ON and the MASTER DISABLE feature is set to OFF.

BLOCK NO RATINGS: ALL programming with NO content advisory data can be blocked if this feature is set to ON and the MASTER DISABLE feature is set to OFF.

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UNDERSTANDING THE AUTOLOCK™ CONTROL (MOVIE RATINGS)

There are two types of program ratings within the AutoLock feature. One is based on the Movie Industry ratings while the other is based on the TV Industry ratings. Both can be used to block or censor programming that has been rated in either manner.

Let's first look at the Movie Rating options of AutoLock:

BEGIN

1. **Press the MENU button** on the remote to display the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the words **SMART LOCK** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the AutoLock Access Code screen.
4. **Using the NUMBERED buttons** on the remote, enter your Personal Access Code.
5. With the word **BLOCK** highlighted, **Press the CURSOR RIGHT ▶▶ button.**
6. **Scroll the menu using the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the words **MOVIE RATINGS** are highlighted.
7. **Press the CURSOR RIGHT ▶▶ button** to display the **MOVIE RATINGS (G, PG, PG-13, R, NC17, or X).**

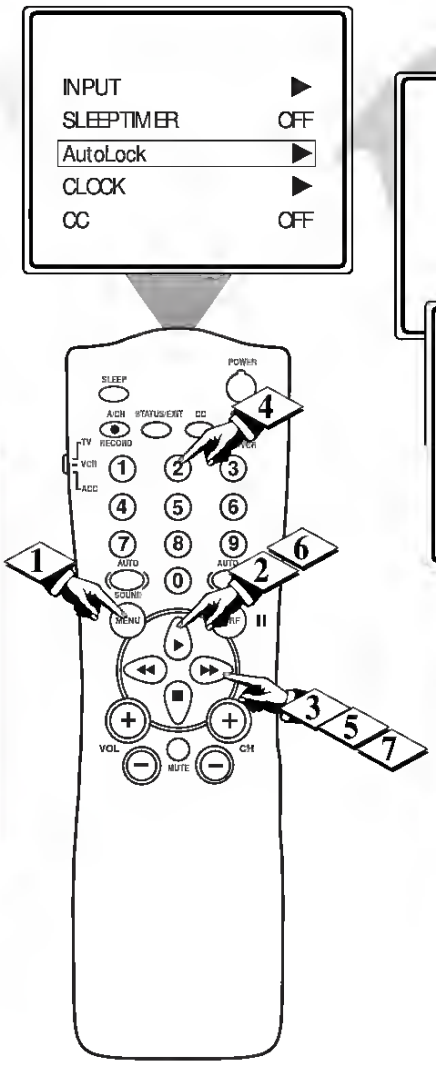
When highlighted, all these options can be turned **ON** *(which will allow blocking)* or **OFF** *(which will allow viewing).*

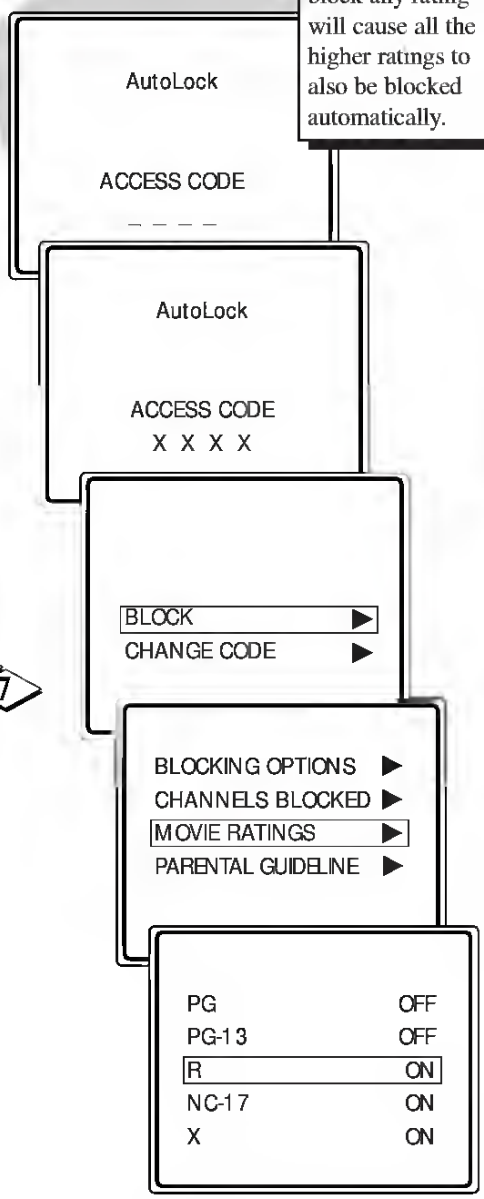
Use the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons on the remote to turn the rating option ON or OFF.

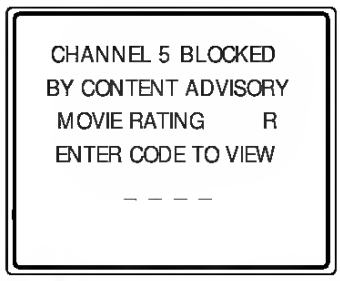
STOP

SMART HELP

Remember: Selecting to block any rating will cause all the higher ratings to also be blocked automatically.







Screen will display a message when programming is blocked by the Movie Rating feature. To unblock, turn the Movie Rating OFF, or enter your personal access code. Entering the code will unblock ALL blocked Movie Ratings until the TV is turn off. Then the blocked ratings will be reset to ON

NOTE: When a rating is turned ON, all higher ratings will automatically be turned ON. To turn them OFF, each will have to be set individually (i.e., R blocked manually, NC-17 and X will be blocked automatically.)

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UNDERSTANDING THE AUTOLOCK™ CONTROL (PARENTAL GUIDELINES)

This portion of the AutoLock features cover program ratings based on the TV Industry rating system. This is know as Parental Guideline within AutoLock.

After selecting the AutoLock feature and entering your personal access code, the BLOCK/CHANGE CODE screen appears;

BEGIN

1. With the word **BLOCK** highlighted, **Press the CURSOR RIGHT ▶▶ button.**
2. **Scroll the menu using the CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the words **PARENTAL GUIDELINES** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the **Parental (TV) Guidelines (TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA).**

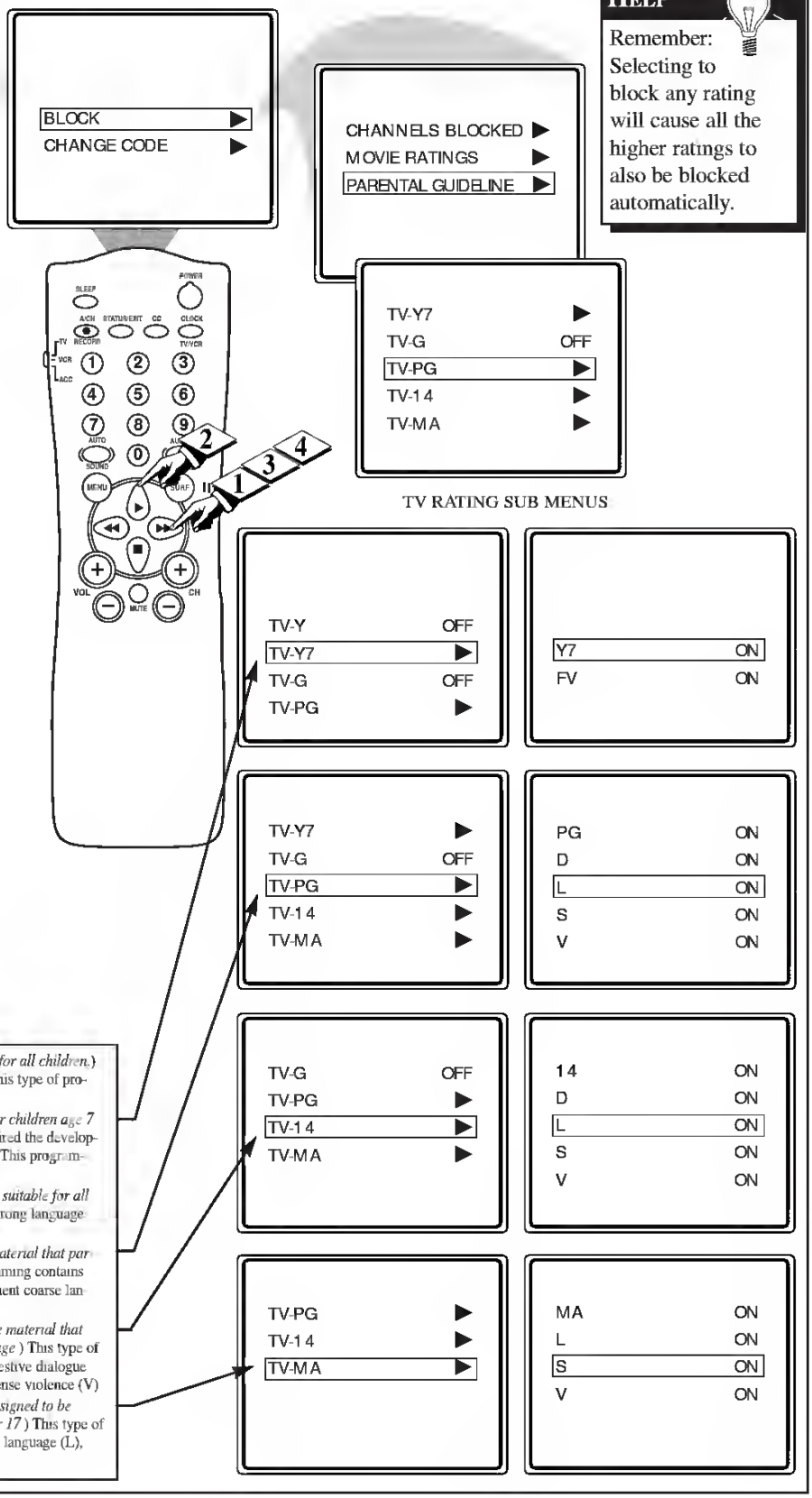
   When highlighted, the TV-Y and TV-G can be turned **ON** *(which will allow blocking)* or **OFF** *(which will allow viewing)*, of these rated programs.
4. **The ratings of TV-Y7, TV-PG, TV-14, TV-MA can be customized to block V (violence), FV (fantasy violence), S (sexual situations), L (coarse language), or D (suggestive dialogue).**

   Use tbe CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons on the remote to turn the rating option ON or OFF.

STOP

SMART HELP

Remember: Selecting to block any rating will cause all the higher ratings to also be blocked automatically.



TV-Y - (All children -- *This program is designed to be appropriate for all children.*) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV-Y7 - (Directed to Older Children -- *This program is designed for children age 7 and above.*) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

TV-G - (General Audience -- *Most parents would find this program suitable for all ages.*) This type of programming contains little or no violence, no strong language and little or no sexual dialogue or situations.

TV-PG - (Parental Guidance Suggested -- *This program contains material that parents may find unsuitable for younger children.*) This type of programming contains one or more of the following: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).

TV-14 - (Parents Strongly Cautioned -- *This program contains some material that many parents would find unsuitable for children under 14 years of age.*) This type of programming contains one or more of the following: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).

TV-MA - (Mature Audience Only -- *This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.*) This type of programming contains one or more of the following: crude indecent language (L), explicit sexual situations (S), or graphic violence (V).

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UNDERSTANDING THE AUTOLOCK™ CONTROL (REVIEW SCREEN)

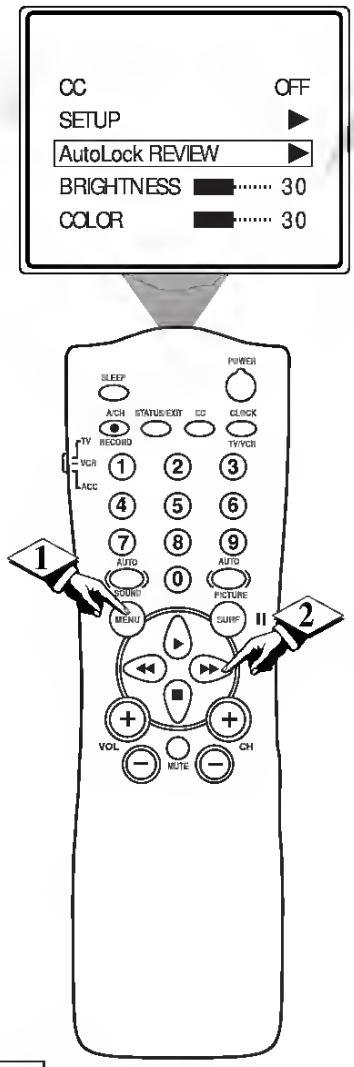
Now that you've learn how to block channels or censor your viewing using the Movie Ratings or Parental (TV) Guidelines let's review what you've done. The AutoLock Review feature allows you to see what has been blocked. Whenever the Menu button is pressed the onscreen menu will be displayed with the AutoLock Review highlighted.

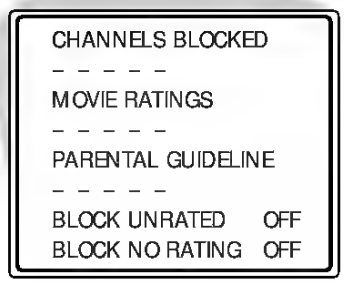
BEGIN

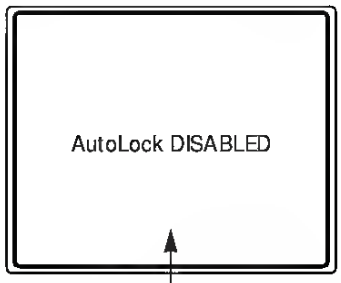
1. **Press the MENU button** on the remote to show the onscreen menu. **AutoLock REVIEW** will be highlighted.

2. **Press the CURSOR RIGHT ▶▶ button** and the AutoLock Review Menu will appear.

This menu will display what channels have been blocked; what Movie Ratings have been blocked; what Parental (TV Ratings) Guideline have been blocked. This review screen will also display that status of Unrated and No Rating settings. If the Master Disable feature has been turned ON, the AutoLock Review screen will display "AutoLock DISABLED."







AutoLock DISABLED will appear in the AutoLock Review screen if the AutoLock Disable feature is set to ON.

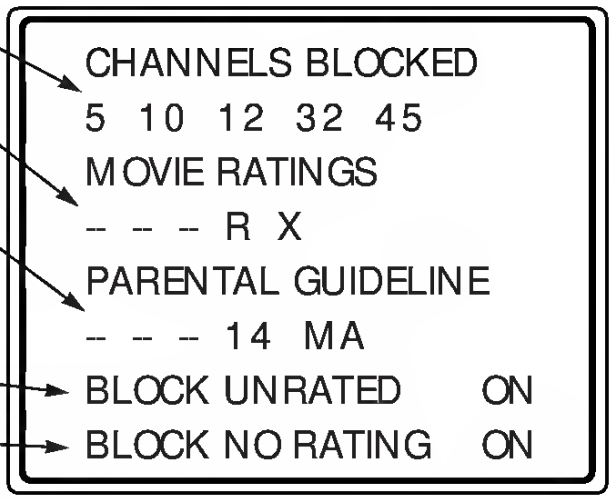
CHANNELS BLOCKED - Shows all blocked channels that where set within the CHANNELS BLOCKED feature. Up to 5 channels may be blocked at one time.

MOVIE RATINGS - Shows all blocked Movie Ratings that were set within the MOVIE RATINGS feature. All or some may be blocked at one time. Note: If a lower rating is blocked, this will automatically cause the higher ratings to be blocked also. (ie., if R is set to be blocked, X will automatically be blocked also.)

PARENTAL GUIDELINE - Shows all blocked TV Ratings that were set within the PARENTAL GUIDELINES feature. All or some may be blocked at one time. Note: If a lower rating is blocked, this will automatically cause the higher ratings to be blocked also. (ie., if TV-14 is set to be blocked, TV-MA will automatically be blocked.) Parental Guidelines also have sub ratings for Violence (V), Fantasy Violence (FV), Sexual Situations (S), Coarse Language (L), and Suggestive Language (D). If the main rating is turned off but the sub rating is turned ON, the program will be blocked but the rating will not appear within the AutoLock Review menu.

BLOCK UNRATED - Shows ON or OFF depending on the status of the BLOCK UNRATED feature. Based on the Movie Ratings or Parental (TV) Guidelines.

BLOCK NO RATING - Shows ON or OFF depending on the status of the BLOCK NO RATING feature. Based on programming with NO content advisory data.



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USING THE BALANCE, TREBLE, AND BASS CONTROLS

Besides the normal volume level control, your TV also has a BALANCE, TREBLE and BASS controls for sound adjustments. The BALANCE control allows the listener to adjust the sound being heard between the right and left TV speakers. The controls work just like the BALANCE, TREBLE and BASS controls on any hi-fi stereo audio system.

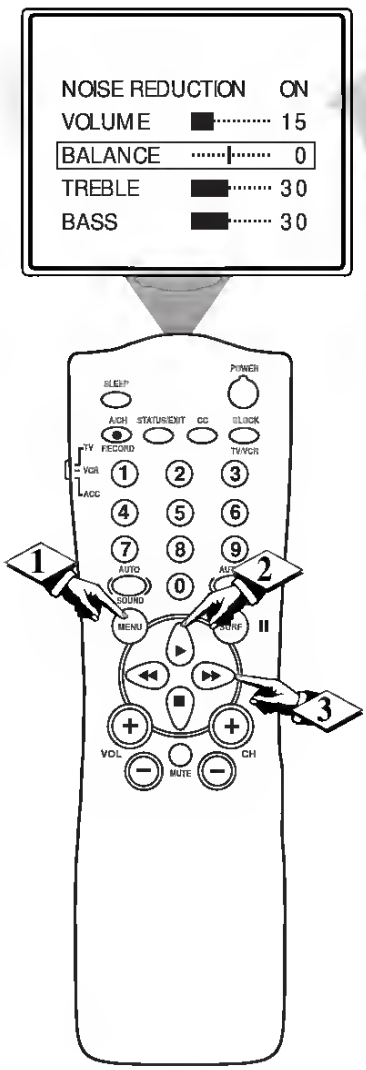
BEGIN

1. **Press the MENU button** on the remote to show the onscreen menu

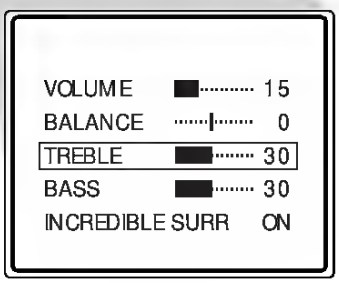
2. **Press tbe CURSOR UP ▶ or CURSOR DOWN ■ buttons** to select and highlight the name of the control you wish to change (**BALANCE, TREBLE or BASS**).

3. **Use the CURSOR LEFT ◀◀ or RIGHT ▶▶ buttons** to adjust the levels of each highlighted control.

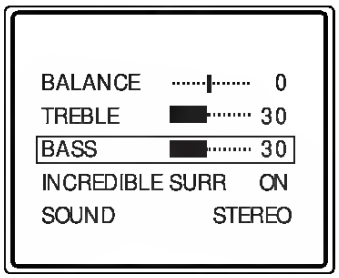
STOP



OR



OR



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How to Set the TV for Stereo Programs

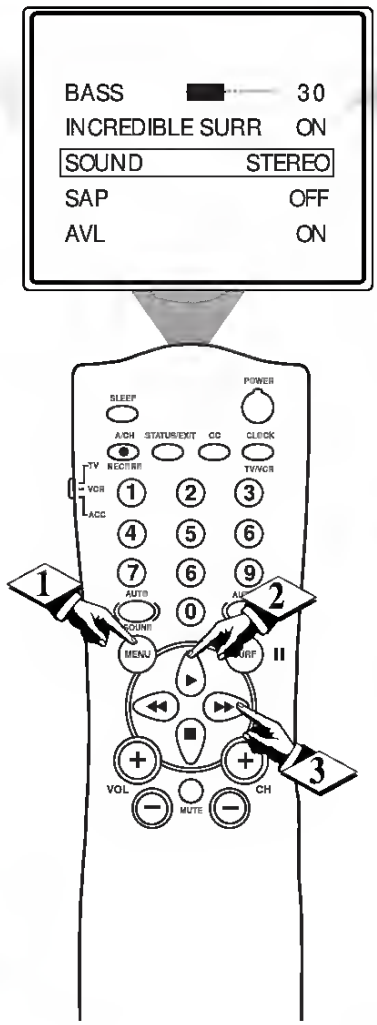
Your TV can detect a stereo signal and will set itself automatically so the stereo sound can be heard. However, there may be occasions when you might want to set the TV to mono. The following steps describe how to change the SOUND control:

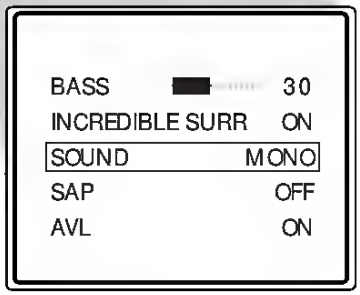
BEGIN

1. **Press the MENU button** on the remote to show the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **SOUND** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to choose between **STEREO** or **MONO**.

With STEREO selected, the television will reproduce any stereo broadcast signal it receives. Please note that you can force a stereo broadcast signal to MONO, but you cannot force a mono broadcast signal to stereo.

STOP





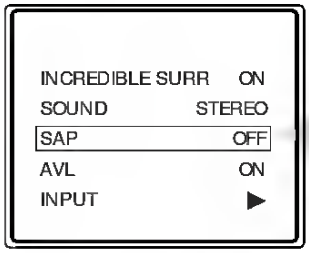
Smart Help

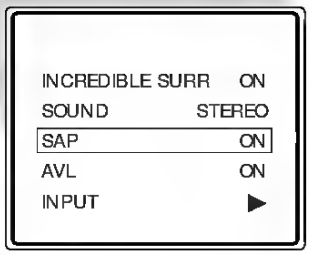
Remember: If stereo is not present on a selected show and the TV is placed in the STEREO mode, the sound coming from the set will remain monaural (mono).

Second Audio Program (SAP)

SAP is an additional part of the stereo broadcast system. Sent as a third audio channel SAP can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes, but many experts believe it will be used for foreign language translations of TV shows (or for weather and news bulletins.)

If a SAP signal is not present with a selected program, the SAP option cannot be selected. Also, if SAP is selected on a channel (with SAP) and you select another channel, when you return to the original channel SAP will be OFF (and you will have to reselect the SAP feature.)





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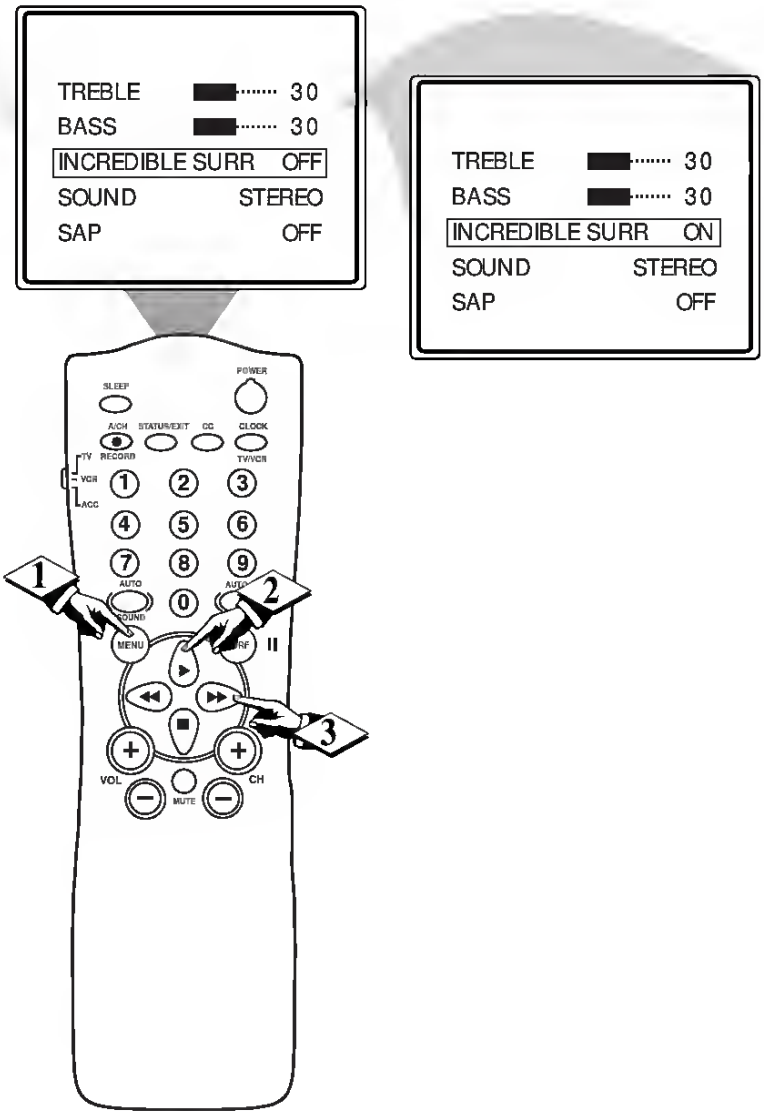
USING THE INCREDIBLE SURROUND FEATURE

The Incredible Surround feature adds greater depth and dimension to both monaural (MONO) and stereo TV sound. With the control turned ON the TV's speakers can add even wider sound separation to normal broadcasts.

BEGIN

1. **Press the MENU button** on the remote to display the onscreen menu.
2. **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the words **INCREDIBLE SURR** are highlighted.
3. **Press the CURSOR RIGHT ▶▶ or the CURSOR LEFT ◀◀ buttons** to turn the Incredible Surround control ON or OFF.

STOP



SMART HELP

Remember: The onscreen menu will time out and disappear from the screen when you finish, or you can press the STATUS/EXIT button to clear the menu from the screen.

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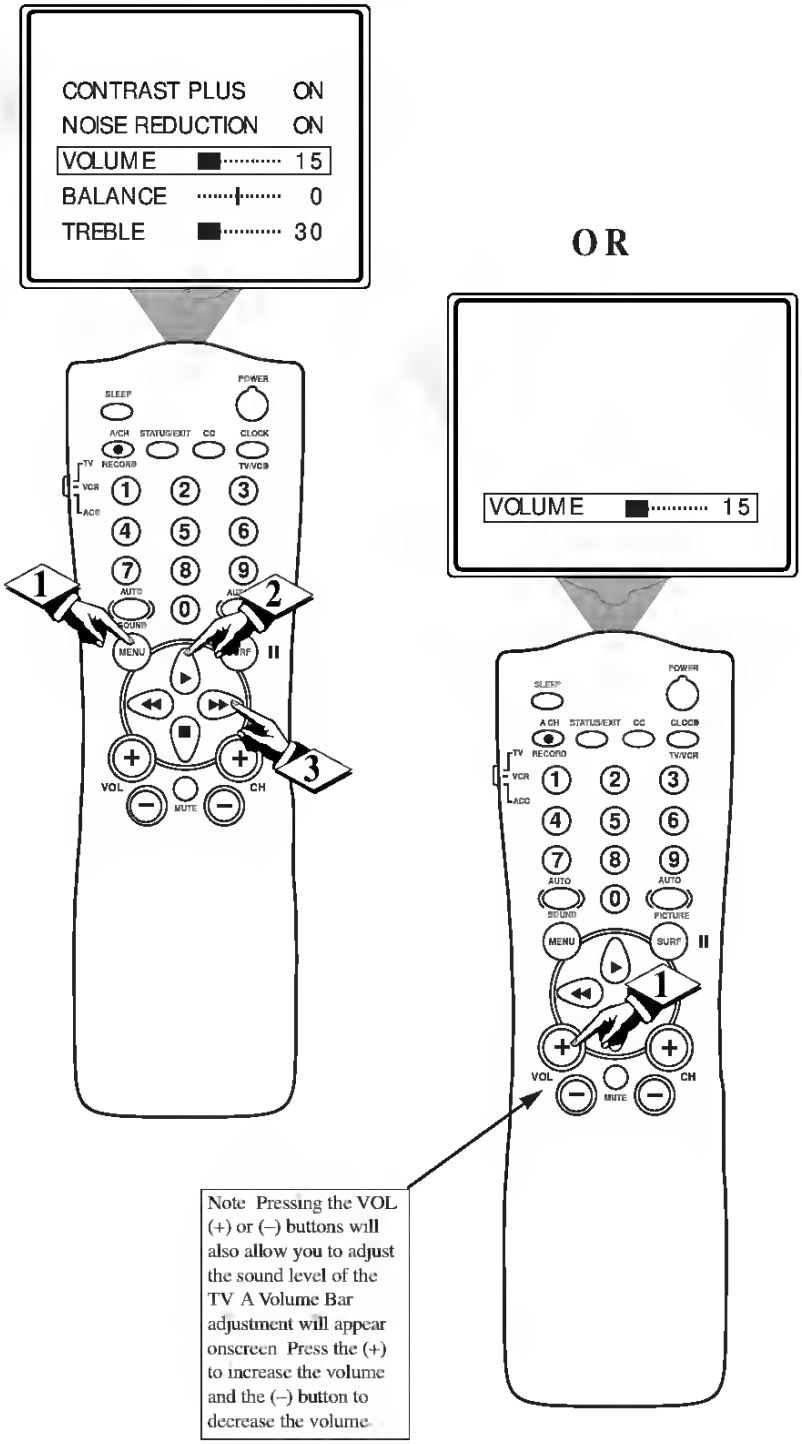
USING THE TV VOLUME BAR CONTROL

Use the Volume Bar control to see the TV's volume level settings on the TV screen. The Volume Bar will be seen each time the VOLUME buttons (on the TV or remote) are pressed.

BEGIN

1. **Press the MENU button** to display the onscreen menu.
2. **Press tbe CURSOR UP ▶ or CURSOR DOWN ■ buttons** until the word **VOLUME** is highlighted.
3. **Press tbe CURSOR RIGHT ▶▶ button** to *increase* the TV's volume or the **CURSOR LEFT ◀◀ button** to *decrease* the sound.

STOP



Note Pressing the VOL (+) or (–) buttons will also allow you to adjust the sound level of the TV A Volume Bar adjustment will appear onscreen Press the (+) to increase the volume and the (–) button to decrease the volume

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How to Use the Input Control (A/V Inputs)

Audio/Video Inputs

The TV's Audio/Video Input jacks are for direct picture and sound connections between the TV and a VCR (or similar device) that has Audio/Video Output jacks.

BEGIN

1. **Connect the VIDEO (yellow) CABLE** to the VIDEO IN jack on the back of the TV. Then connect the AUDIO (red and white) CABLES to the AUDIO (left and right) **IN** jacks on the rear of the TV.

2. **Connect the VIDEO (yellow) CABLE** to the VIDEO OUT jack on the back of the VCR. Then connect the AUDIO (red and white) CABLES to the AUDIO (left and right) OUT jacks on the rear of the VCR.

3. **Turn the VCR and the TV ON.**

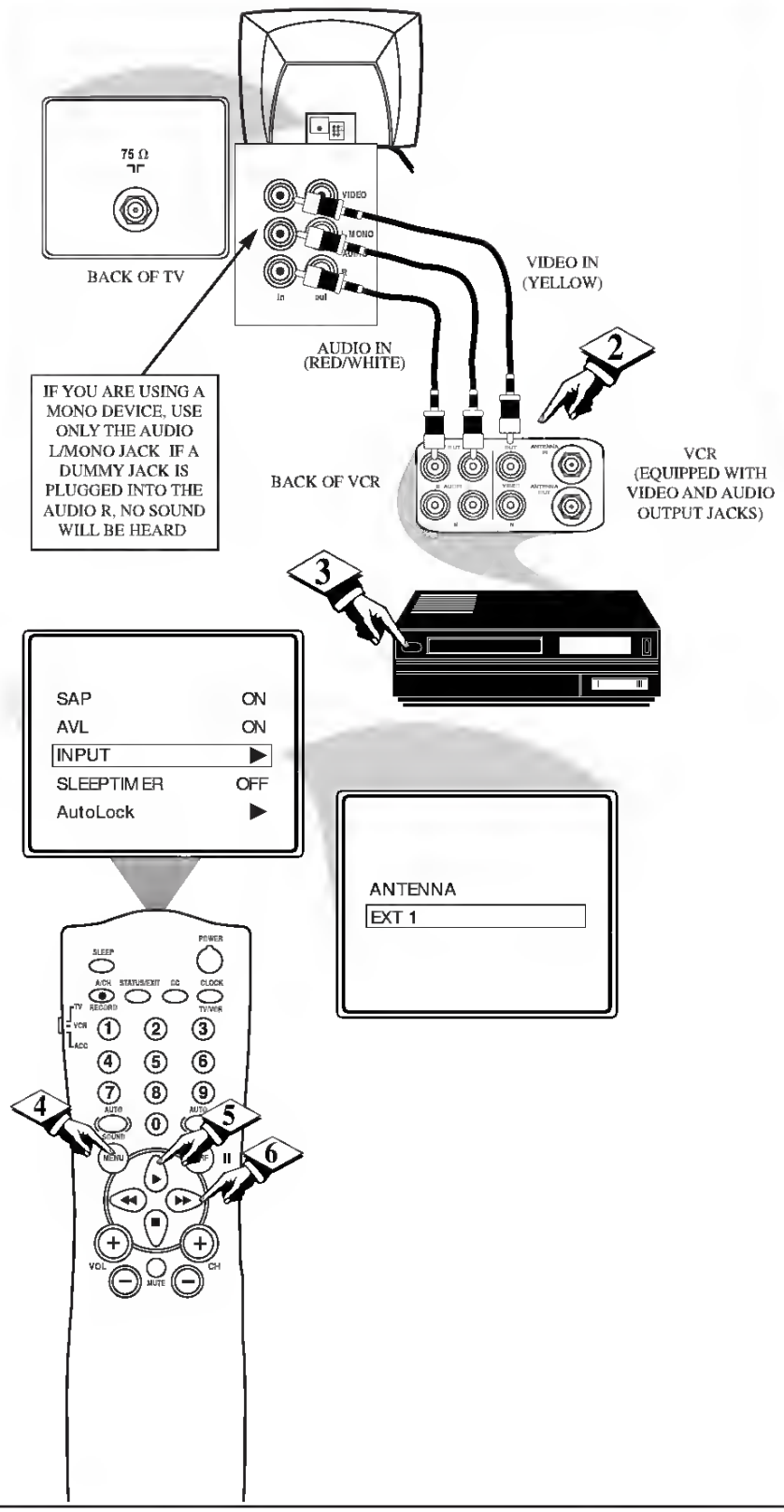
4. **Press the MENU button** on the remote to display the onscreen menu.

5. **Press the CURSOR UP ▲ or CURSOR DOWN ■ buttons** until the word **INPUT** is highlighted.

6. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ button** to display the picture/sound menu **(ANTENNA, EXT 1, S-VIDEO)**. Use the CURSOR **UP** ▲ or DOWN ■ buttons to select.

Now your ready to place a prerecorded video tape in the VCR and press the PLAY ▶ button.

STOP



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USING THE AUDIO/VIDEO OUPUT JACKS

A/V OUTPUTS

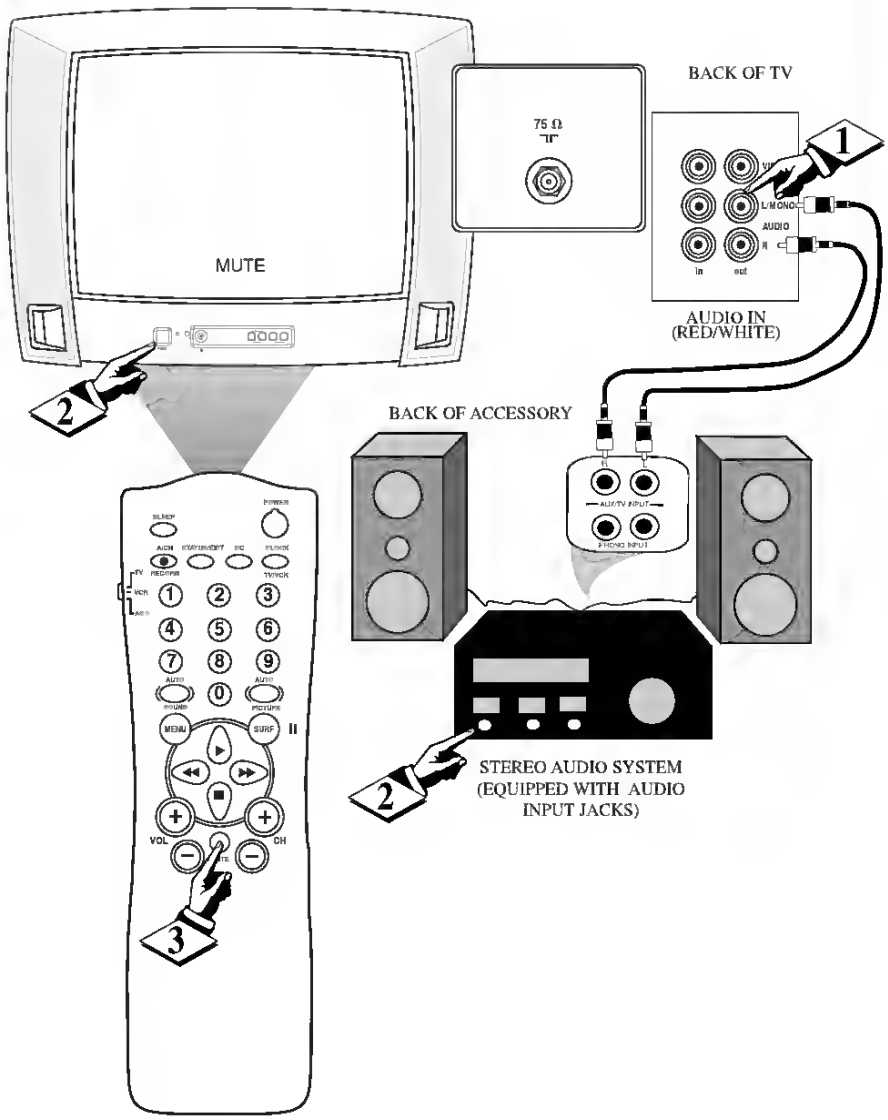
Would you like to hear TV programs through your audio hi-fi system? The TV's Audio output jacks can be used to perform this TV sound option.

BEGIN

1. **Connect the R(ight) and L(eft) AUDIO OUT jacks** on the TV to the R and L Audio Input jacks on you amplifier or sound system. Set the audios system's volume to a normal listening level.
2. **Turn the TV and the audio system ON.**
3. You can now adjust the sound level coming from the audio system with the VOLUME (+) or (–) buttons on the remote.

STOP

Note: The Video and Audio Output Jacks can be used as a direct connection to a VCR for the recording of programs to video tapes.



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USING THE AUTOPICTURE™ CONTROL

Whether you're watching a movie or a video game, your TV has automatic video control settings matched for your current program source or content. The AutoPicture feature quickly resets your TV's video controls for a number of different types of programs and viewing conditions you may have in your home. Each AutoPicture setting is preset at the factory to automatically adjust the TV's Brightness, Color, Picture, Sharpness, Tint, and Color Temperature levels.

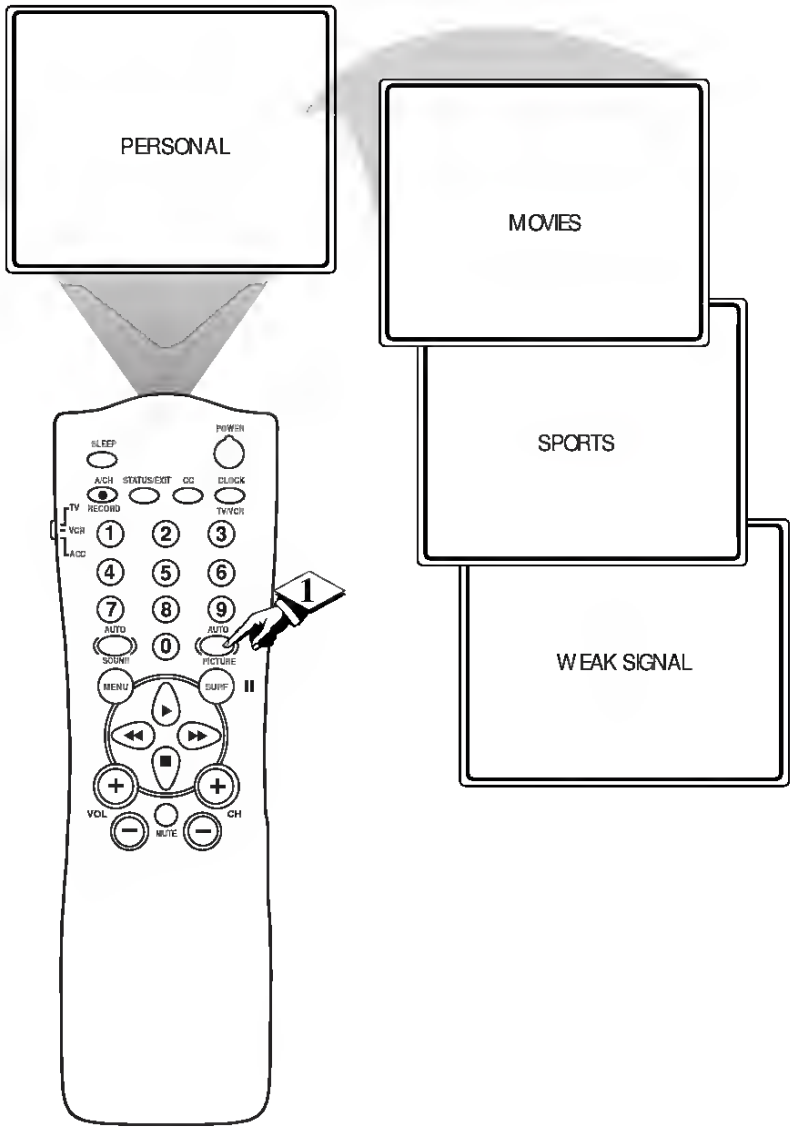
BEGIN

1 **Press the SMART PICTURE button** on the remote control. The current AutoPicture setting will appear in the middle of the screen.

2 **Press tbe AutoPicture button repeatedly** to select either PERSONAL, MOVIES, SPORTS, or WEAK SIGNAL picture settings.

Note: The PERSONAL setting is the setting that you setup using the PICTURE options within the onscreen menu. This is the only AutoPicture control setting that can be changed. All other settings are setup at the factory during the time of production.

STOP



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USING THE AUTOSOUND™ CONTROL

The AutoSound feature allows the listener to select between four different factory set sound options. Personal (which can be set by the user), Theater (for movie viewing), Music (for musical type programming) and Voice (when the program is mainly dialogue). To select any of the options follow the directions below.

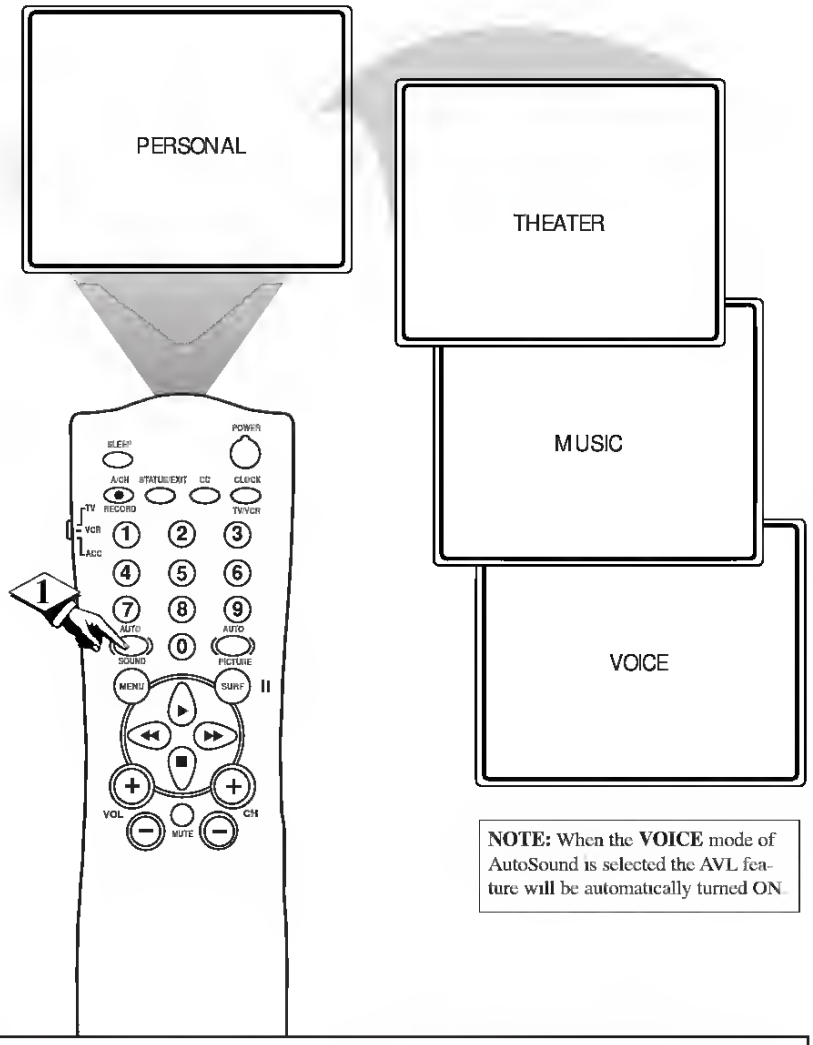
BEGIN

1. **Press the SMART SOUND button** on the remote control. The current AutoSound setting will appear in the middle of the screen.

2. **Press the SMART SOUND button repeatedly** to toggle between the four settings.

Remember, only the PERSONAL control can be changed by the viewer. This changes the settings in the main onscreen menu's sound controls.

STOP



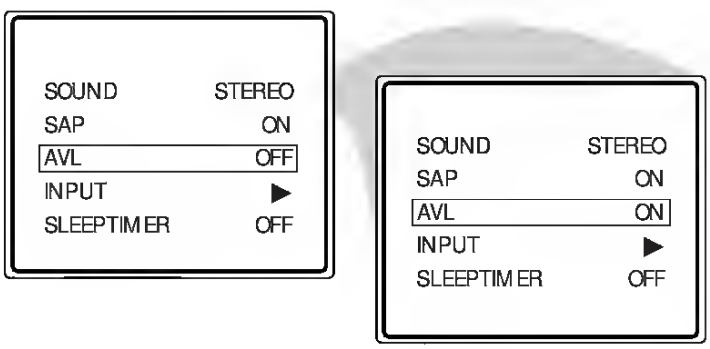
NOTE: When the **VOICE** mode of AutoSound is selected the AVL feature will be automatically turned ON.

SMART HELP

Remember, AutoSound works only with the programs coming through the 75 Ω input jack on the rear of the TV (RF audio). It will not control the sound levels for the External connections.

AVL CONTROL

In most cases the volume levels coming from broadcast programming or commercials are never the same. With the AVL control turned ON, you can have the TV level out the sound being heard. This makes for a more consistent sound by reducing the peaks and valleys that occur during program changes or commercial breaks.



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USING THE TV'S AUTOSURF™ CONTROL

A "list" or series of previously viewed channels can be selected with the SURF button on your remote control. With this feature you can easily switch between different TV programs that currently interest you. The AutoSurf control allows you set up to eight channels in its quick viewing "list".

BEGIN

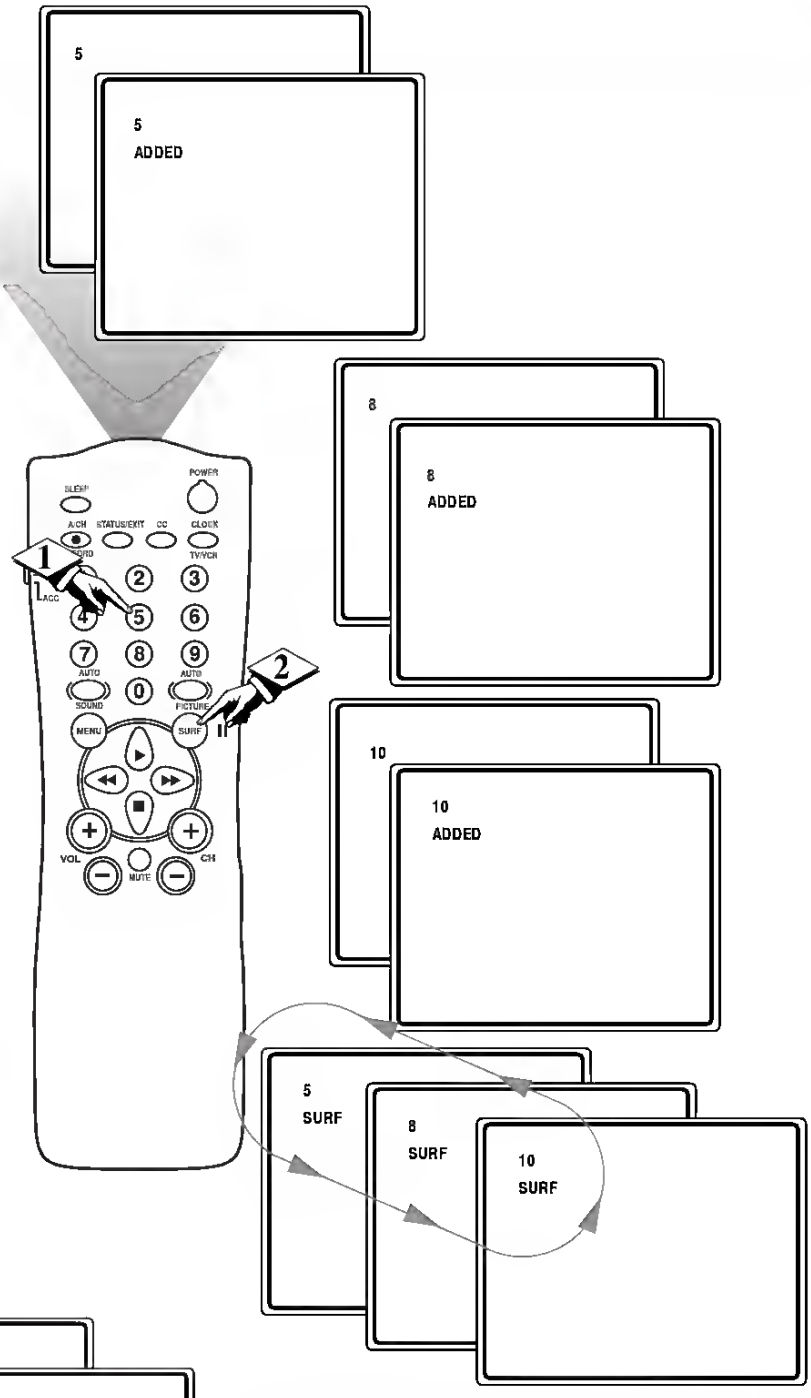
1. **Press the CHANNEL (+) or (–) buttons** (or the NUMBER buttons) to select a channel to add to the SURF list.
2. **Press the SURF button** on the remote while the channel number is still displayed to ADD the channel to the SURF list.
3. Repeat steps 1 through 2 to add additional channels (up to 8) to the SURF list.

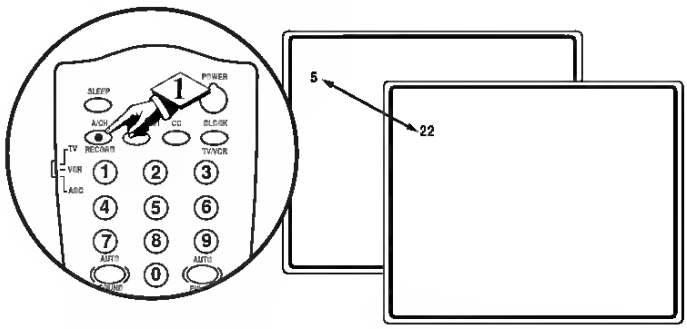
To remove a channel for the SURF list, simply choose the channel with the numbered buttons and press the SURF button while the channel number is still displayed and the screen will read DELETED.

STOP

A/CH BUTTON

Your remote also has an A/CH (Alternate Channel) button. Pressing this button will toggle between the Current and one previously selected channel.





Press the SURF button repeatedly to cycle or "loop" through the channels saved in the SURF channel list.

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Setting the Remote Control To Work With Other Devices

Your remote control is set to work your TV and many infrared remote (IR) control VCRs, Cable Boxes, Satellite Systems, DBS, DVD, etc. However, an easy onetime step may be necessary before the remote will work your VCR.

Try this initial check to see if going on to the following section is necessary.

BEGIN

1. **Place the TV/VCR/ACC Mode Switch** in the proper position.
2. **Point the remote control** at the device and press the POWER button.
3. Does the remote turn the device ON?

If YES, stop and try other function buttons on the remote. If they also work the device, then the remote is ready and no further steps are needed.

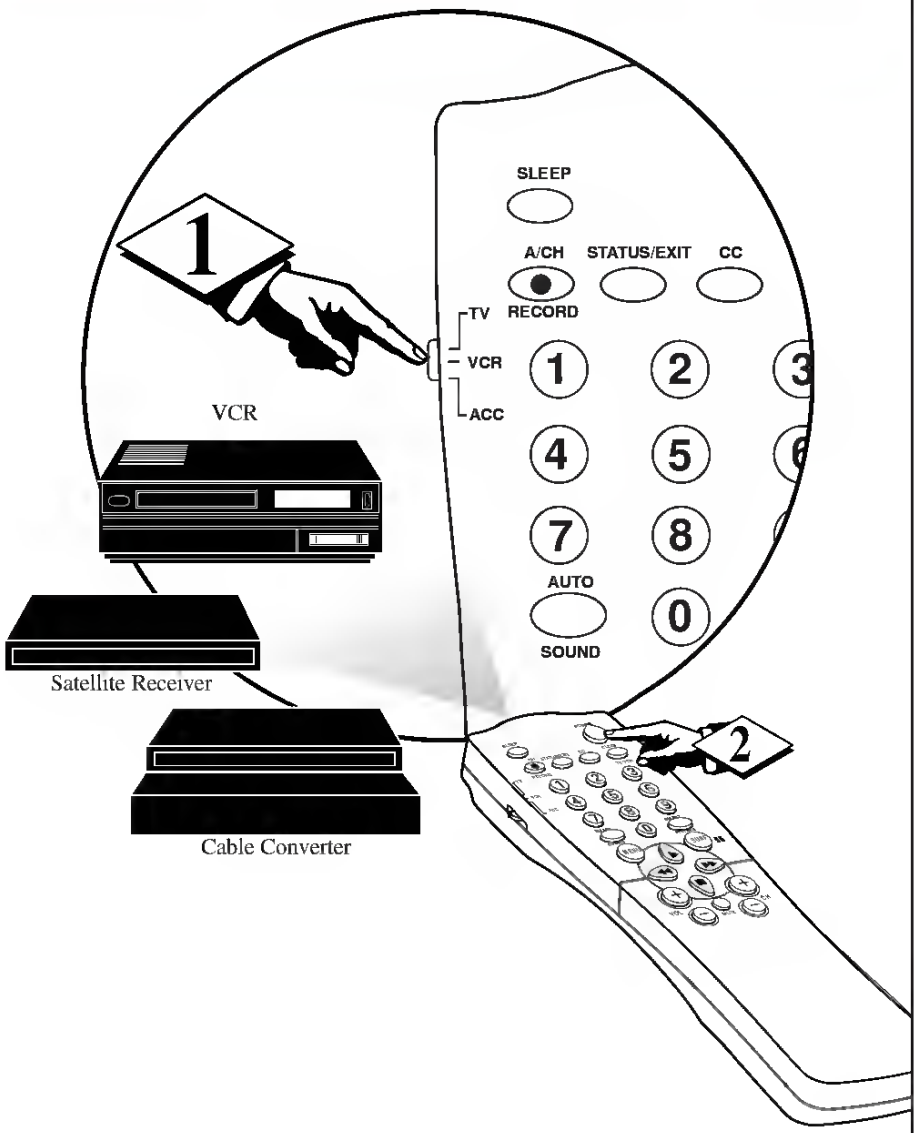
If NO, continue...

1. First look up a **THREE-DIGIT remote control number** for your brand of Device before going through the simple steps on the following page.

Find your Three-Digit Code on pages 33-34.

Smart Help

Remember, if more than one number is listed, you may have to try more than the first Three-Digit code given in order to locate your Device's remote code.



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Setting the Remote Control To Work With Other Devices

Direct Access Method

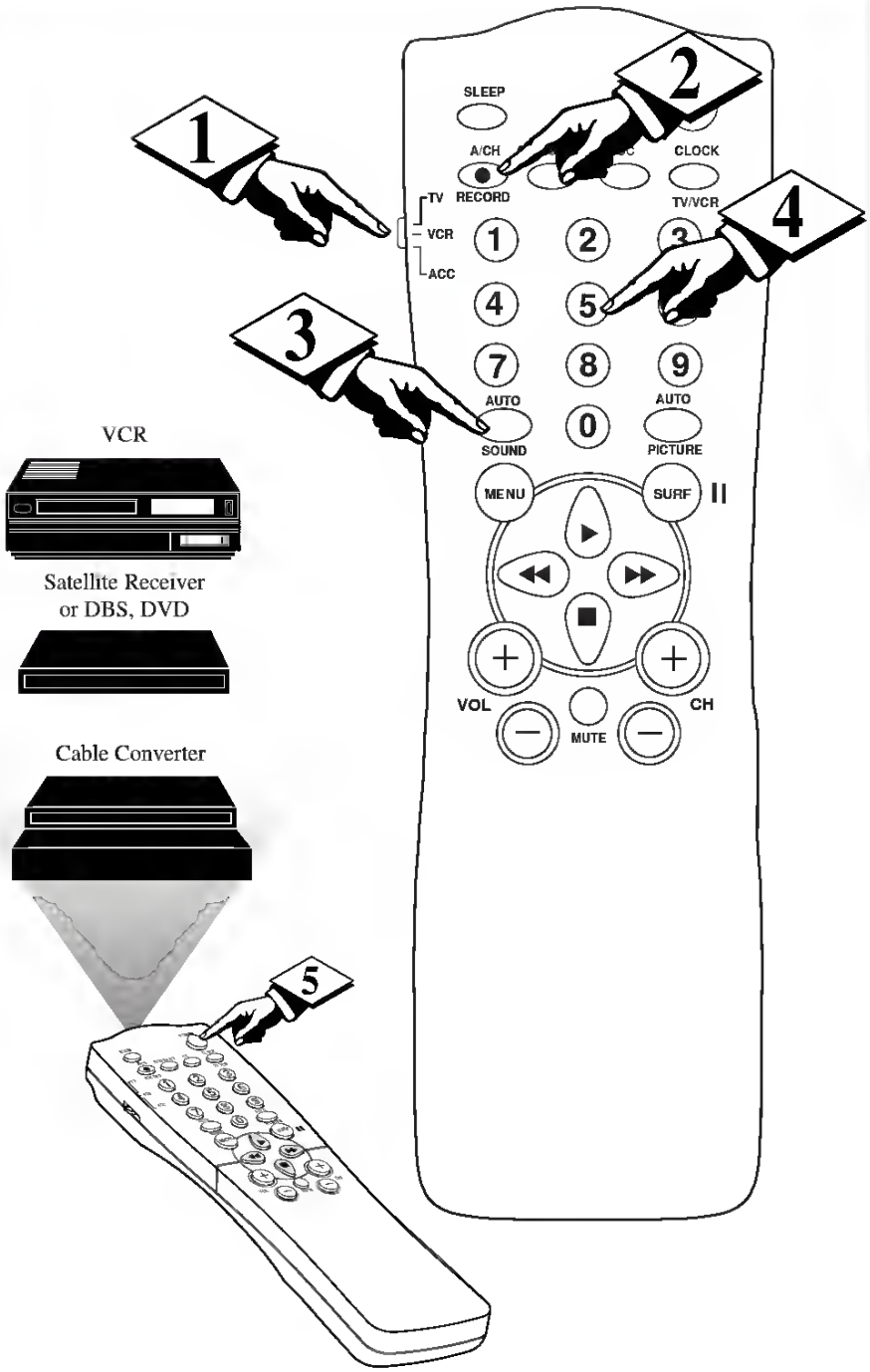
Now that you have looked up the three-digit Remote Code Number for your brand of device, you are ready to follow the four simple steps below.

Please read through steps 1-4 before beginning.

BEGIN

1. **Place the TV/VCR/ACC Mode Switch** in the proper position.
2. **Press the (A/CH) • RECORD button** on the remote control and release.
3. **Press the AutoSound button** on the remote within 30 seconds, then release.
4. **Enter the THREE-DIGIT REMOTE CODE NUMBER** for your desired device. The remote is now ready to send commands to the unit.
5. **Point the remote** at the Device. Press the POWER button on the remote to turn the unit ON.

STOP



Smart Help

Remember, if this doesn't work the first time, repeat steps using the same remote code number.

After a second try and the remote does not operate your device, see if there is another three-digit code number (pages 33-34) listed for your device and repeat the steps above using the new number.

If after repeated attempts the code number method does not work you device, try the **SEARCH METHOD** on page 32.

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Setting the Remote Control To Work With Other Devices

Search Method

Your TV remote can be set to work various external devices such as VCRs, Cable Boxes, Satellite Receivers, DBS, DVD, etc. by what is called the search method of remote control programming.

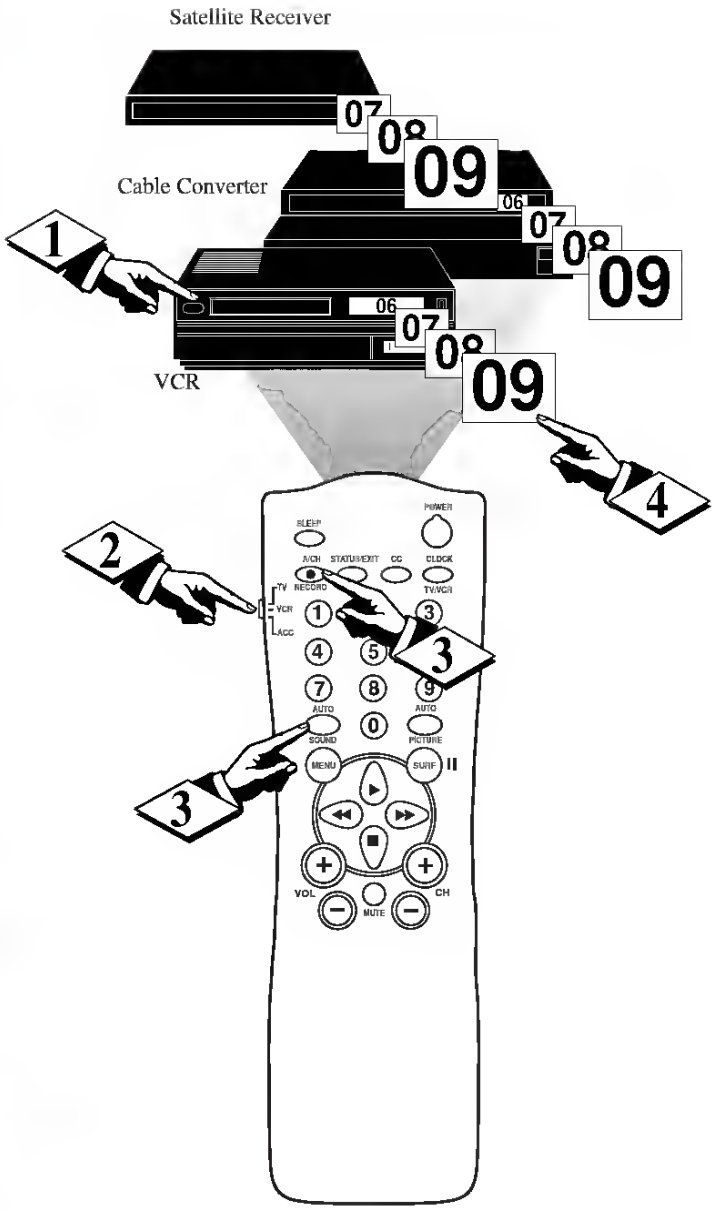
If the "Remote Code" number method shown on pages 30, 31 did not set your remote to work your external device, then follow the easy steps listed below.

Please read steps 1-4 before beginning.

BEGIN

1. **Press the POWER button** on the device your are attempting to program to turn it ON.
2. **Place the TV/VCR/ACC Mode Switch** in the proper position.
3. **Press the (A/CH) • RECORD and the SMART SOUND buttons simultaneously** and hold them down.
4. The device will begin to change channels after the remote identifies the correct code. When the channels start to change release the VCR RECORD and SMART SOUND buttons. The remote should be ready to operate the device.

STOP



Smart Help

This method can take up to two minutes to perform.

Don't let the device scan up more than five channels. If you do the remote may pass up the right code and another two minute search cycle will have to be repeated.

If no channel change happens within two minutes, repeat steps 1-4. Should a channel change still not occur, the remote will not work the desired device.

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Remote Control Direct Entry Codes

VCR	REMOTE CODE NO.
Admiral	048
Advantz	358
Adventure	000
Aiko	278
Aiwa	000, 037, 307, 348, 352
Akai	041, 049, 053, 061, 106, 315
Alba	352
Amercian High	035
Amstrad	325, 332
Asha	240
Audiovox	037
Baird	107
Beaumark	240
Bell & Howell	104
Blaupunkt	003, 006, 154
Brandt	187, 320, 321
Broksonic	121, 184, 211, 295, 361
Bush	352
CCE	072, 278
Calix	037
Canon	035
Capehart	020
Carver	081, 146
Citizen	037, 278
Colt	072
Combitach	352
Craig	037, 047, 072, 240, 271
Curtis Mathes	035, 041, 060
Cybermax	051, 240
Daewoo	020, 045, 276
Daytron	020
Denon	042
Dynatech	000
Electrophonic	037
Emerex	032
Emerson	000, 002, 036, 037, 043, 061, 068, 088, 121, 164, 208, 209, 211, 212, 278, 295, 361, 479
Ferguson	107, 320, 321
Fisher	047, 054, 066, 104
Fuji	033, 035
Funai	000
GE	035, 060, 065, 202
Garrard	000
Go Video	232, 279, 432
Gold Star	037, 038
Gradiente	000, 406
Grundig	003, 007, 195, 347
HI-Q	047
Harley Davidson	000
Harman/Kardon	038, 075
Harwood	068, 072
Headquarter	046
Hinari	004, 352
Hitachi	000, 004, 041, 042, 065, 105, 168, 235
Ingersol	004
JVC	008, 041, 067, 208, 384, 486
Jensen	041
KEC	037, 278
KLH	072
Kenwood	038, 041, 067, 384
Kodak	035, 037
LXI	037
Lloyd's	000, 206
Loewe	004
Logik	004, 072
MEI	035
MGA	043, 061
MGN Technology	240
MTC	000, 240
Magnavox	000, 035, 081, 146, 181
Marta	037
Matsui	004, 348, 352
Matsushita	035, 162, 454
Memmorex	307
Memorex	000, 035, 037, 039, 046, 047, 048, 104, 240, 266, 307
Metz	003, 347
Minolta	042, 105
Mitsubishi	043, 061, 067, 075, 173, 443
Motorola	035, 048
Multitech	000, 072
NAD	058
NEC	036, 040, 041, 067, 104
Nikko	037
Nikon	034, 253
Noblex	240
Nordmende	297, 320, 321
Okano	346
Olympus	035, 226
Optimus	037, 048, 058, 104, 162, 432, 454
Optonica	062
Orion	004, 295, 348, 352, 479
Panasonic	035, 077, 162, 225, 226, 378, 454
Penney	035, 037, 038, 040, 042, 065, 105
Pentax	042, 065, 105
Philco	035
Philips	035, 062, 081, 110, 403
Pilot	037
Pioneer	058, 067
Portland	020
Profax	322
Profitronic	240
Protec	072
Pulsar	039, 051
Quarter	046
Quartz	046
Quasar	035, 077, 162, 454
RCA	042, 060, 065, 077, 105, 106, 149, 202
Radio Shack	000, 037
Radix	037
Randex	037
Realistic	000, 035, 037, 045, 047 048, 062, 066, 104
Ricoh	034, 253
Runco	039
SEG	322
SEI	004
STS	042
Saba	297, 320, 321
Saisho	004
Salora	075
Samsung	045, 051, 053, 240
Sanky	039, 048
Sansui	000, 041, 067, 271
Sanyo	046, 047, 104, 240, 268
Saville	352
Scott	043, 045, 121, 164, 211, 212
Sears	000, 035, 037, 042, 046, 047, 054, 066, 104, 105
Sharp	046, 062
Shintom	072
Shogun	051, 240
Shoral	004
Siemens	003
Singer	072
Sinudyne	004
Sony	000, 011, 022, 032, 033, 034, 035, 253, 275
Sunkel	348
Sunpak	253
Sylvania	000, 035, 043, 081, 103, 110
Symphonic	000
TMK	036, 208, 240
Tatung	041
Teac	000, 041
Technics	035, 162
Teknika	000, 035, 037
Telefunken	187, 320, 321
Tansal	322
Thomas	000
Thomson	320
Toshiba	043, 045, 066, 212, 366
Totavision	037, 240
Towada	322
Unitech	240
Universum	325
Vactor	045
Vactor Research	038, 040
Video Concepts	040, 045, 061
Videosonic	240
Wards	000, 035, 042, 047, 048, 060, 062, 072, 081, 149, 161, 212, 240
XR-1000	000, 035, 072
Yamaha	038
Zenith	000, 033, 034, 039

CABLE CONVERTOR	REMOTE CODE NO.
ABC	001, 003, 007, 008, 011, 013, 014, 017
Aliegio	153
Andover	544
Antronix	022
Archer	022, 153
Balcor	056
British Telecom	105
Cable Star	056
Cablatenna	022
Cabletime	161, 271, 377, 448
Cableview	022
Century	153
Citizen	153
Clyde	086
Colour Voice	025, 031
Comtec	274
Comtronics	040
Contec	019
Cryptovision	600
Deceat	423

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Remote Control Direct Entry Codes

CABLE CONVERTOR	REMOTE CODE NO.
Eastern	.002, 274
Everquest	.015, 040
Filmnet	.443
Focus	400
France Telecom	.451
GC Electronics	.056
GEC	.086
Ganard	.153
Gemini	.015, 070, 242
General Instrument	.011, 276, 476
Gold Star	.040
Grundig	.529
Hamlin	.009, 020, 034, 259
Hitachi	.011
Hytex	.007
Jasco	.153
Jerrold	.003, 011, 012, 014, .015, 024, 276, 476
M.N.E.T.	443
MNet	.443
Macon	.033
Magnavox	.027, 032, 334
Memorex	.000
Movie Time	.063
NSC	.063, 070
Oak	.007, 019
Optimus	.021
Panasonic	.000, 021, 107
Paragon	.000
Philips	.025, 027, 031, 153, 242, 290, 334
Pioneer	.533, 753
Popular Mechanics	400
Pulsar	.000
RCA	.021
Radio Shack	.015
Recoton	400
Regal	.020, 259
Regency	.002
Rembrandt	.011, 070
Runco	.000
SL Marx	.040
Salora	.382
Samsung	.040
Satbox	.375
Scientific Atlanta	008, 017, 477
Signal	.015, 040
Signature	.011
Sprucer	021
Star Sight	.542
Starcom	.003, 015
Stargate	.015, 040
Starquest	.015
Sylvania	.001
TV85	.063
Tandy	.258
Tele+1	.443
Teleservice	.281
Teleview	.040
Texscan	.001
Timeless	.274
Tocom	.012, 013, 059
Toshiba	.000
Tudl	.286
Tusa	.015
Unike	.022, 153
United Artists	.007
United Cable	.003
Universal	.022, 056, 153, 191
Videoway	.250
Viewstar	.027, 063, 258
Visi Cable+	461
Westminster	.105
Wolsey Gaine	.544
Zenith	.000, 054, 525
Zentek	.400

DBS	REMOTE CODE NO.
Alpha Star	.772
Echostar	.775
HTS	.775
Hitachi	.819
Hughes Network System	.749
Jerrold	.627
Magnavox	.722, 724
Memorex	.724
Panasonic	.701
Philips	.722, 724
Primestar	.627
RCA	.566
Sony	.639
Toshiba	.790
Uniden	.724

Satellite	REMOTE CODE NO.
AST	.351
Akai	.515
Alba	.352, 515, 613
Aldea	.288
Amstrad	.080, 252, 345, 461, 509, 689
Ankaro	.220, 288, 369
Anitron	.183
Armstrong	.243
Astra	.108
Avalon	.396
Axis	.369
BT	515, 668
Beko	.189
Best	.369
Boca	.243, 513
Bush	.067
Cambridge	.344, 515
Channel Master	362
Commlink	.288
Connexions	.396
Conrad	.607
Crown	.243
DDC	.362
DNT	.396
Echostar	.396
Farguson	.067, 183, 189, 336
Fidelity	.252
Finiux	.108, 397
Fuba	.369, 396
G-Bat	.183
Galaxis	.286
Gooding	.571
Grundig	.173, 189, 571, 750
Hinari	.183
Huschmann	.397, 573
Houston	.668
Huth	220, 243, 268
ITT	.108
Intervision	.592
JVC	515, 571
Kathrein	.092, 504, 622, 658
La Sat	.513, 607
Lennox	.592
Lupus	.369
Luxor	108, 573
Manhatten	.592
Maspro	092, 336, 750
Matsui	.571
Mediamarkt	.248
Minerva	.571
Mintec	.576
Morgan's	.243, 513
Newhaus	.220
Nikko	360, 713
Nokia	.108, 397, 573
Nordmende	.362
Orbitech	.501
Pace	.067, 183, 336, 455, 791
Palladium	.571
Palsat	.501
Philips	.200, 292, 571, 750
Phonotrend	288, 592
Plasmatic	.442
Proset	.288
Quadral	362, 628
RFT	220, 288
Radix	.396
SAT	351, 461
SEG	.369
Saba	.336
Salora	.108
Satec	.183
Schwaiger	183, 504
Seemann	396, 578, 626
Skymaster	288, 626
Sony	.704
Star Trak	.421
Strong	.421
Sunstar	.513
Tantec	.336
Techni Sat	.262, 501
Teleka	243, 613
Tonna	.668
Triad	.351
Universum	.571
Vtech	.351
Wisi	351, 396

DVD	REMOTE CODE NO.
Kenwood	.534
Mitsubishi	.521
Panasonic	.490
Philips	.539
Pioneer	.550
RCA	.522
Sony	.552
Toshiba	.503

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USING THE REMOTE'S VCR BUTTONS

When using the TV remote with a VCR, first make certain it is set to control your VCR (by the REMOTE CODE or SEARCH method).

BEGIN

1. **Set the TV/VCR/ACC mode switch to** VCR on the remote.
2. **Point the top of the remote** toward the front of the VCR (remote sensor window) when pressing the buttons.

STOP

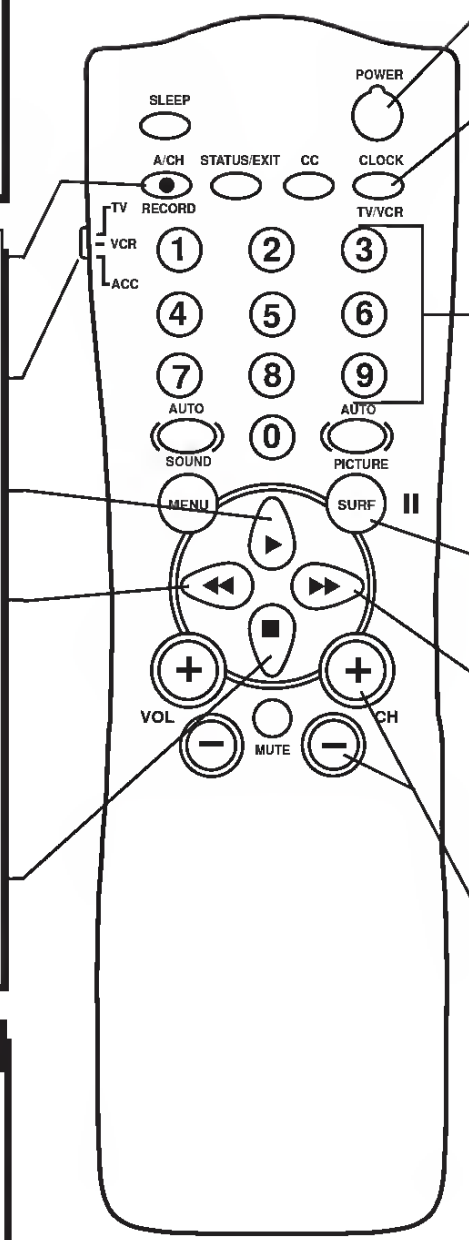
RECORD BUTTON ●
Hold the (A/CH) • RECORD button down to begin a VCR recording.

VCR SYSTEM SWITCH
Set in the VCR position to send remote commands to the VCR.

PLAY BUTTON ▶
Press to begin playback of a video tape.

REWIND BUTTON ◀◀
Press to rewind tapes. For some VCR's the STOP button may have to be pressed first, then REWIND. In playback mode hold down the button to view picture moving rapidly in reverse.

STOP BUTTON ■
Press to stop the motion of a tape in playback, rewind, fast forward, etc.



POWER BUTTON
Press to turn the VCR ON and OFF.

TV/VCR BUTTON
Press while in the VCR mode (VCR indicator on the front of the unit will light) to view the playback of a tape. Press again to place in the TV position (VCR indicator light will go off) to view one program while recording another program.
When used in the TV mode, the TV/VCR/CLOCK button will access the TV's Clock menu options.

NUMBER BUTTON
Press buttons for direct VCR channel selections.

PAUSE BUTTON II
Press to temporarily stop the tape during a playback or recording. Press again to release Pause.

FAST FORWARD BUTTON ▶▶
Press to rapidly advance the tape. For some VCR's you may need to press the STOP button first, then the FAST FORWARD button. In playback mode hold the button down to view the picture moving rapidly in the forward direction.

CHANNEL + & – BUTTONS
Press to scan up or down through the VCR channel numbers.

SMART HELP

Remember, the VCR buttons on the remote will not operate your VCR if those features are not found on your VCR remote control.

Note: All VCR functions (particularly Search, Rewind, Fast Forward, etc.) will operate the same as with the original VCR remote control provided with the VCR.

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Tips If Something Isn't Working

Please make these simple checks before calling for service. These tips can save you time and money since charges for TV installation and adjustment of customer controls are not covered under your warranty.

CAUTION: A video source (such as a video game, Compact Disc Interactive - CDI, or TV information channel) which shows a constant non-moving pattern on the TV screen, can cause picture tube damage. When your TV is continuously used with such a source the pattern of the non-moving portion of the game (CDI, etc.) could leave an image permanently on the picture tube. When not in use, turn the video source OFF. Regularly alternate the use of such video sources with normal TV viewing.

No Power

- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert plug into outlet and push POWER button again.
- Check that outlet is not on a wall switch. Be sure fuse is not blown on AC Power strip.

No Picture

- Check antenna connections. Are they properly secured to the TV's 75Ω plug?
- Check the TUNER control for CABLE or ANTENNA setting.
- Check Audio/Video Input jack connections if using a VCR or other external device.

No Sound

- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- Check Audio/Video Input jack connections if using a VCR or other external device.

Remote Does Not Work

- Check batteries. Replace with AA Heavy Duty (Zinc Chloride) or Alkaline batteries if necessary.
- Clean the remote and the remote sensor window on the TV.
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert plug into outlet and push POWER button again. Be sure fuse is not blown on AC Power strip if one is being used.
- Check to be sure TV outlet is not on a wall switch.

TV Displays Wrong Channel or No Channels Above 13

- Repeat channel selection.
- Add desired channel numbers (CHANNEL control) into TV memory.
- Check to be sure the TUNER control is set to the CABLE option.

Cleaning and Care

- To avoid possible shock hazard be sure the TV is unplugged from the electrical outlet before cleaning.
- When cleaning the TV screen take care not to scratch or damage the screen surface (avoid wearing jewelry or using anything abrasive). Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool clear water. Use a clean dry cloth to dry the wiped surfaces.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

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Glossary to Television Terms

Coaxial Cable • A single solid antenna wire normally matched with a metal plug (F-type) end connector that screws (or pushes) directly onto a 75 Ohm input found on the Television or VCR.

Closed Caption • Broadcast standard which allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.

Direct Audio/Video Inputs • Located on the rear of the TV these connectors (RCA phono type plug) are used for the input of audio and video signals. Designed for use with VCRs (or other accessories) in order to receive higher picture resolution and offer sound connection options.

Identify • Method by which a remote control searches and finds an operating code for another product (such as a VCR or Cable Converter). Once the code has been "identified" then the TV remote can operate and send commands to the other product.

Onscreen Displays (OSD) • Refers to the wording or messages generated by the television (or VCR) to help the user with specific feature controls (color adjustment, programming, etc.).

Menu • An onscreen listing of feature controls shown on the Television screen that are made available for user adjustments.

Multichannel Television Sound (MTS) • The broadcast standard that allows for stereo sound to be transmitted with the TV picture.

Programming • The procedure of adding or deleting channel numbers into the Television's memory circuits. In this way the Television "remembers" only the locally available or desired channel numbers and skips over any unwanted channel numbers.

Remote Sensor Window • A window or opening found on the Television control panel through which infrared remote control command signals are received.

Setup Mode • Automatic feature control settings made by the TV. Designed for first time setup and use. Settings for signal connections (antenna or cable TV), plus channel program memory are held in the TV's memory (even if the set is unplugged and moved to a new location.)

Second Audio Program (SAP) • Another or additional audio channel provided for in the Multichannel Television Sound (MTS) broadcast standard. The most frequently proposed use for SAP is the simultaneous bilingual broadcast of TV program material.

Status • Allows the user to quickly confirm what channel number is currently being viewed. Status can also be used to clear the Television of on screen displays or information (rather than waiting for the displays to "time out" or automatically disappear from the screen).

Twin Lead Wire • The more commonly used name for the two strand 300 Ohm antenna wire used with many indoor and outdoor antenna systems. In many cases this type of antenna wire requires an additional adapter (or balun) in order to connect to the 75 Ohm Input terminals designed into the more recent Televisions and VCRs.

Index

Accessories/Optional .....(*Q/U-1)
Adapter Connector .....(*Q/U-1)
Add/Delete Channels .....(*Q/U-4)
Alternate Channel 29
Audio/Video Input Jacks 25
Audio/Video Output Jacks 26
AutoLock - Understanding the AutoLock Feature 14
AutoLock Access Code Feature 15
AutoLock Block Channel Feature 16
AutoLock Blocking Options 17
AutoLock Blocking using the Movie/TV Ratings 18-19
AutoLock Review 20
AutoPicture Control 27
AutoSound Control 28
AutoSurf 29
Balance Control 21
Bass Control 21
Battery Installation .....(*Q/U-2)
Cable TV Connections/Settings .....(*Q/U-1, 3)
Channel Memory .....(*Q/U-4)
Clock Set Time 8
Closed Captioning 12
Contrast Plus (Black Stretch) Control 6
Controls/TV .....(*Q/U-2)
Controls/Remote 27-35, (*Q/U-2)
External Control .....(*Q/U-4)
Features 4
Glossary TV Terms 37
Incredible Surround 23
Input Control 25
Language Option .....(*Q/U-3)
Memory/Program Channels .....(*Q/U-4)
Menu Button 35, (*Q/U-2)
Minus(-)/Plus (+) Buttons 35, (*Q/U-2)
Picture Controls 5
Picture Noise Reduction 7
Precautions/Safety 3, 36, 40
Programming Channels .....(*Q/U-4)
Remote Control 27-35, (*Q/U-2)
Requesting Service 38-39, 40
RF Coaxial Cable .....(*Q/U-1)
Safety/Precautions 3, 36, 40
Sensor Remote .....(*Q/U-2)
Set Up/First Time Use .....(*Q/U-1, 2, 3, 4)
Sleep Timer 13
Start-up Channel Control 10
Start-up Time Control 11
Status/Exit Button .....(*Q/U-2)
Timer Control 9
Tips for Service 36, 38-39, 40
VCR/TV Connections 25, (*Q/U-1)
Volume Bar Control 24
Warranty 40

* Information contained in Quick-Use (Q/U) Guide-page listed.

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Philips Consumer Electronics Company
Factory Service Center Locations

NOTE: If you reside in one of our Philips Factory Service Branch areas (see directory on back), you can contact the nearest Service Branch to obtain efficient and expedient repair for your product. If your product is In-Warranty, you should have proof-of-purchase to ensure No Charge Service. For Out-of-Warranty service, call the location nearest you.

NOTA: Si vous résidez dans une des régions desservies par une succursale de service après vente du fabricant Philips (voir liste ci-dessous), vous pourrez contacter la branche de service après vente la plus près de chez vous pour obtenir un service après vente rapide et efficace. Si le produit est sous garantie, il suffira de présenter une preuve d'achat pour bénéficier d'un service sans frais. Pour les produits non couverts par la garantie, contactez le centre le plus près de chez vous.

NOTA: Si Ud. reside en una de nuestras zonas para sucursales Philips de servicio al de fábrica (ver directorio más abajo), Ud. puede comunicarse con la sucursal de servicio más cercana para obtener una reparación oportuna y eficaz de su producto. Si su producto está todavía bajo garantía, Ud. debe presentar comprobante de compra para no ocasionar ningunos cargos por servicio. Para servicio después del vencimiento de la garantía, llame al lugar más cercano de los abajo indicados.

In Canada

How you can obtain efficient and expedient carry-in, mail-in, or in-home service for your product
Please contact Philips at 1-800-661-6162 (French speaking)
1-800-363-7278 (English speaking)

Au Canada

Comment obtenir le service après-vente pour les produits apportés ou envoyés par la poste à notre centre de service ou le service à domicile
Veuillez contacter philips á: 1-800-661-6162 (Francophone)
1-800-363-7278

En el Canadá

Cómo recibir servicio efficiente para su producto, en persona, por correo o a domicillo
Favor de comunicarse con Philips al: 1-800-661-6162 (francófono)
1-800-363-7278 (anglófono)

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QUALITY SERVICE IS AS CLOSE AS YOUR TELEPHONE! SIMPLY LOOK OVER THE LIST BELOW FOR THE NUMBER OF A FACTORY SERVICE CENTER NEAR YOU. YOUR PRODUCT WILL RECEIVE EFFICIENT AND EXPEDIENT CARRY-IN, MAIL-IN, OR IN-HOME SERVICE, AND YOU WILL RECEIVE PEACE OF MIND, KNOWING YOUR PRODUCT IS BEING GIVEN THE EXPERT ATTENTION OF PHILIPS' FACTORY SERVICE. AND, IF THE PHONE NUMBER LISTED FOR YOUR AREA IS LONG DISTANCE, CALL 1-800-242-9225 FOR FACTORY SERVICE.

COMMENT OBTENIR NOTRE SERVICE APRÈS VENTE RAPIDE ET EFFICACE SOIT PAR COURRIER, À DOMICILE, OU EN SE PRÉSENTANT À UN CENTRE DE SERVICE PHILIPS. PLUS DE 600 CENTRES DE RÉCEPTION DE PRODUITS À RÉPARER À TRAVERS LE PAYS: CONTACTER LE CENTRE DE SERVICE AUX CONSOMMATEURS LE PLUS PROCHE POUR SAVOIR L'EMPLACEMENT DE CES DÉPÔTS DANS UN RAYON DE 50 À 75 MILES (80 KM À 120 KM) DU CENTRE DE SERVICE LOCAL.

CÓMO OBTENER UN SERVICIO OPORTUNO Y EFICIENTE POR CORREO, EN CASA O EN PERSONA PARA SU PRODUCTO A TRAVÉS DE UN CENTRO PHILIPS DE SERVICIO. MAS DE 600 SITIOS POR TODO EL PAIS PARA LA RECEPCION DE PRODUCTOS NECESITADOS DE REPARACIONES: COMUNICARSE CON EL CENTRO DE SERVICIO DE FABRICA MAS CERCANO PARA ESTOS LUGARES DENTRO DE UN RADIO DE 80 A 120 KM (50 A 75 MILLAS) DEL CENTRO DE SERVICIO LOCAL.

GEORGIA
Philips Factory Service of Georgia
200 N. Cobb Pkwy., Suite 120
Marietta, GA 30062
(770) 795-0085

FLORIDA
Philips Factory Service of Florida
1911 US Highway 301 North
Tampa, FL 33619
(813) 621-8181

WESTERN U.S.A.
Philips Factory Service Western Region
681 East Brokaw Rd.
San Jose, CA 95112
(408) 436-8566

TEXAS
Philips Factory Service of Texas
1110 N. Post Oak Rd., Suite 100
Houston, TX 77055
(713) 682-3990

CENTRAL U.S.A.
Philips Factory Service Central US
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Brooklyn Heights, OH 44131
(216) 741-3334

MICHIGAN
Philips Factory Service of Michigan
25173 Dequindre
Madison Heights, MI 48071
(248) 544-2110

DALLAS AREA
Philips Factory Service of Dallas
415 N. Main Street, #107
Euless, TX 76040
(713) 682-3990

ILLINOIS
Philips Factory Service of Illinois
1279 W. Hamilton Pkwy.
Itasca, IL 60143
(630) 775-0990

TENNESSEE
Philips Factory Service of East Tennessee
6700 D Papermill Rd.
Knoxville, TN 37919
(423) 584-6614

MID-ATLANTIC
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352 Dunks Ferry Rd.
Bensalem, PA 19020
(215) 638-7500

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LIMITED WARRANTY

COLOR TELEVISION

90 Days Free Labor

One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube)

This product must be carried in for service.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For 90 days thereafter,* all parts will be repaired or replaced free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-363-7278 (English Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

YEAR 2000 READY

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips Consumer Electronics Company, P.O. Box 2976, Longview, Texas 75606, (903) 242-4800

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